



CITY OF
Lethbridge

Office of the City Clerk

March 29, 2021

RE: NOTICE OF HEARING - SUBDIVISION AND DEVELOPMENT APPEAL BOARD

An appeal has been filed on the refusal of a Development Application by the Development Officer to establish a Type A home occupation for a silk screening business located at 768 Moonlight Crescent West.

When an appeal is filed with the Subdivision and Development Appeal Board (SDAB), all persons who own property within 200 feet or 60 meters of the development are notified of the hearing by way of this letter. In addition, the owner of the property will also receive a copy of this letter.

The Subdivision and Development Appeal Board (SDAB) will hold a Public Hearing as follows:

DATE:	Thursday, April 15, 2021
TIME:	5:00 p.m.
LOCATION:	Council Chambers, Main Floor, City Hall 910 – 4 Avenue South

Persons affected by this development have the right to present a written, verbal and/or visual submission to the Board. When making a presentation, keep in mind that in accordance with the legislation that governs the SDAB, the Board can only consider relevant planning matters when rendering its decision. It is recommended that you limit your presentation to five minutes.

If you wish to submit written material to the Board, it should be delivered to the Secretary of the SDAB via email at david.sarsfield@lethbridge.ca, no later than 12:00 noon on the Wednesday the day before the hearing. If you are unable to meet this submission deadline, please bring 12 copies of the materials to the Hearing and it will be distributed at the start of the Hearing. Any written and/or visual material received will be made available to the public.

The City is following the recommendations from the Province of Alberta and the City of Lethbridge with regards to social distancing.

We will be pleased to answer any questions you may have regarding the appeal and can also provide information or advice on Board procedures and how to make presentations to the Board. Please feel free to contact me at 403 329 7329 if you have any questions.

Yours truly,

David Sarsfield
Board Secretary,
Subdivision and Development Appeal Board



CITY OF
Lethbridge

NOTICE OF A SUBDIVISION AND DEVELOPMENT APPEAL BOARD HEARING

DATE: Thursday, April 15, 2021

PLACE: Council Chambers, 1st Floor
City Hall - 910 - 4th Avenue South

TIME: 5:00 p.m.

AGENDA:

1. CALL TO ORDER

PRESENTATIONS:

- 2.1 5:00 p.m.
SDAB No. 2021-02
APPEAL OF REFUSAL OF DEVELOPMENT APPLICATION 12679

Appellant: Kevin Sutherland

Address: 768 Moonlight Crescent West

To establish a Type A home occupation for a silk screening business

Land Use District: R-CL



CITY OF
Lethbridge

NOTICE OF APPEAL
Subdivision & Development Appeal Board

In accordance with sections 678 and 686 of the *Municipal Government Act* and The City of Lethbridge Bylaw 4749, an appeal to the Subdivision and Development Board must be filed within the legislated time frame.

Site Information		(Date Received Stamp)
Municipal Address of Appeal 768 moonlight cres W		
Legal Description of Site (must be completed for subdivision appeals)		
Development Application Number or Subdivision Application Number DEV12679		
Appellant Information		
Name Kevin Sutherland		
Mailing Address 768 moonlight cr W		
City Lethbridge	Province Alberta	Postal Code T1J 5L1
Residence #	Business #	Email kevinsuth74@gmail.com

APPEAL AGAINST (Check One Box Only) for multiple appeals you must submit another Notice of Appeal

Development Permit	Subdivision Permit	Notice of Order
<input type="checkbox"/> Approval <input type="checkbox"/> Conditions of Approval <input checked="" type="checkbox"/> Refusal	<input type="checkbox"/> Approval <input type="checkbox"/> Conditions of Approval <input type="checkbox"/> Refusal	<input type="checkbox"/> Notice of Order

REASONS FOR APPEAL Sections 678 and 686 of the *Municipal Government Act* require that the written Notice of Appeal must contain specific reasons for the appeal.

The grounds for this appeal are as follows:

See Attached

(Attach a separate page if required)

This Personal information is collected under the authority of the Freedom of Information and protection of Privacy Act, Section 33(c) and the Municipal Government Act, Sections 678B and 685 Note: **This information will form part of a file available to the public**, if you have any questions regarding the collection of this information, contact the FOIP Coordinator at (403) 329-7329.

Signature of Appellant		Date YYYY MM DD 2021 03 17	
FOR OFFICE USE ONLY			
Final Date of Appeal YYYY MM DD	Appeal Number	Hearing Date YYYY MM DD	Date Appellant Notified YYYY MM DD

Dear Subdivision and Development Appeal Board,

I am writing to appeal the discission made by the Development Office to refuse my application NO. DEV12679. My permit application was refused based on Land Use Bylaw 6300 section 53 (1)(h), I do not believe that my Screenprinting business would or could have an offensive impact on neighbouring households. I have spoken with many neighbours none of which have expressed concern.

Some concerns from the Development office are that I have a product that is classified as toxic as it is a skin and eye irritant, the ratings are based on a 0-4 rating scale and the product mentioned is a zero. None of our products are higher than 1 for health hazard and these products wont effect neighbouring households as they will be stored and used properly. There is also conce rn of impacts to the public water system I did send the water filtration system I would be using as this should be standard for any screenprinting company. The concern for our products that have precautionary warnings such as wearing gloves, safety glasse s, masks ect. are standard on most MSDS' not for household use, even when using nail polish gloves and eye protection is required if done in a business setting. I am requesting the opportunity to appeal this discission so that I can help the board understand that my business will not have a negative effect on my household nor neighbouring households.

Thank you,

Kevin Sutherland.

768 Moonlight Cres W Lethbridge

CITY OF
Lethbridge

Land Use Bylaw 6300

APPLICATION NO.

DEVELOPMENT PERMIT APPLICATION - REFUSED DEV12679

Address: **768 MOONLIGHT CRES W**
 Legal: 1512099;25;10

District: R-CL

Applicant: SUTHERLAND, KEVIN
 MUNDLE, MELISSA
 Address: 768 MOONLIGHT CRES W LETHBRIDGE AB T1J 5L1

Phone:
 Phone:

Development Proposed To establish a Type A home occupation for a silk screening business

District R-CL COM PLAN LOW DENSITY RES

Land Use HOME OCCUPATION, TYPE A - PERMITTED

REASONS FOR REFUSAL

The application to establish a Type A home occupation for a silk screening business is refused as the application does not comply with Land Use Bylaw 6300 section 53 (1)(h), which states that all home occupations shall have "no offensive impacts on the Household or neighbouring Households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards."

INFORMATIVE:

Supporting reasons for the above determination include,

1. WHMIS classifications for most materials/products required for the business are classified as having potential health hazards. One material/product is classified as D(2) - Toxic – Poisonous and infectious materials causing other toxic effects.
2. documentation provided indicates the materials/products required for the business have varying degrees of impacts to skin, respiratory tract, and eyes, as well as potential impacts to public water system and aquatic environments.
3. documentation provided indicates the materials/products required for the business have various levels of controls and precautionary warnings, including but not limited to,
 - Handle in accordance with good Industrial hygiene and safety practice
 - Gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices
 - Respirators – where risk assessment shows air purifying respirators are appropriate, use a full face respirator
 - Avoid breathing dust/fumes/gas/mist/vapor/spray
 - Contaminated clothing must not be allowed out of the workplace.
 - brief exposure use respiratory filter device, longer exposure use respiratory protective device independent of circulating air.
 - Avoid all unnecessary exposure
 - Wear protective gloves
 - Chemical goggles or safety glasses
 - Wear appropriate mask
 - Do not eat, drink, smoke during use
 - Wear gloves with appropriate penetration times

4. City of Lethbridge departments had the following comments:

Fire Prevention - No concerns with this application.

Water/Wastewater - My main concern is for the proper disposal of the spent chemicals. Section 8 of the sewer bylaw #3250 identifies prohibitions for discharge of wastewater into the sewer system. The proponent needs to ensure compliance with all



CITY OF
Lethbridge

Land Use Bylaw 6300
DEVELOPMENT PERMIT APPLICATION - REFUSED

**APPLICATION NO.
DEV12679**

prohibitions in Section 8. Note any substances (i.e. Mars Red & Sgreen,) with MSDS that state "Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters," or similar precautions.

Building Inspections - My concerns are with the chemicals and the protection of the drainage system. I do not believe this should be allowed in a residential setting.

Furthermore;

It is understood that the applicant has planned on 200-300 prints being manufactured each month. However, they have also determined that renting commercial space to manufacture their products is not viable unless they produce over 1000 prints a month (1000 prints is their commercial space break even point) This creates the possibility of larger scale production with the City having few avenues for monitoring and enforcement.

Decision Date

Feb 26, 2021

Development Authority



JOSHUA BOURELLE

STATUTORY PLANS

The SSRP and applicable municipal statutory plans were considered in rendering this decision.

APPEALS

The applicant has the right to appeal this decision to the Subdivision and Development Appeal Board. An appeal shall contain a statement of the grounds of appeal and shall be delivered either personally or by Registered Mail so as to reach the Secretary of the Subdivision and Development Appeal Board not later than twenty-one (21) days after the decision date indicated on the 'Development Permit or 'Development Permit Application - Refused' letter.

FOIP

The personal information provided as part of this permit is collected under the Alberta Municipal Government Act and in accordance with section 33(c) of the Freedom of Information and Protection of Privacy Act. The information is required and will be used for issuing permits, Land Use By-law 6300 compliance verification and monitoring, and property assessment purposes. The name of the permit holder and the nature of the permit is available to the public upon request and may be revealed in public appeal processes.

If you have questions about the collection or use of the personal information provided, please contact Information Management at 910 4 Ave S Lethbridge, AB, T1J 0P6 or phone at (403) 329-7329, or email developmentsservices@lethbridge.ca.

Application No. DEV12679



CASCADIA METALS

Suppliers of Coil & Sheet Metal
www.cmetals.com

ALL THE SELECTION - ONE SOURCE

- Pre-painted Steel
- Hot Rolled
- Galvalume
- Galvanized Perforated
- Stainless Steel
- Galvanized
- Cold Rolled
- Pickled & Oiled
- Copper
- Pre-Painted Aluminum
- Anodized Aluminum
- Satin Coat
- Aluminized
- Aluminum Sheet
- Aluminum Tread Plate

DELTA
7630 Berg Rd
Delta, BC
V4G 1G4
1.888.738.9677
604.946.3890

LANGLEY
101-10180 199B St
Langley, BC
V1M 3X8
1.877.957.4500
604.881.4500

EDMONTON
10336-283 Street
Acheson, AB
T7X 6A7
1.866.962.9006
780.962.9006

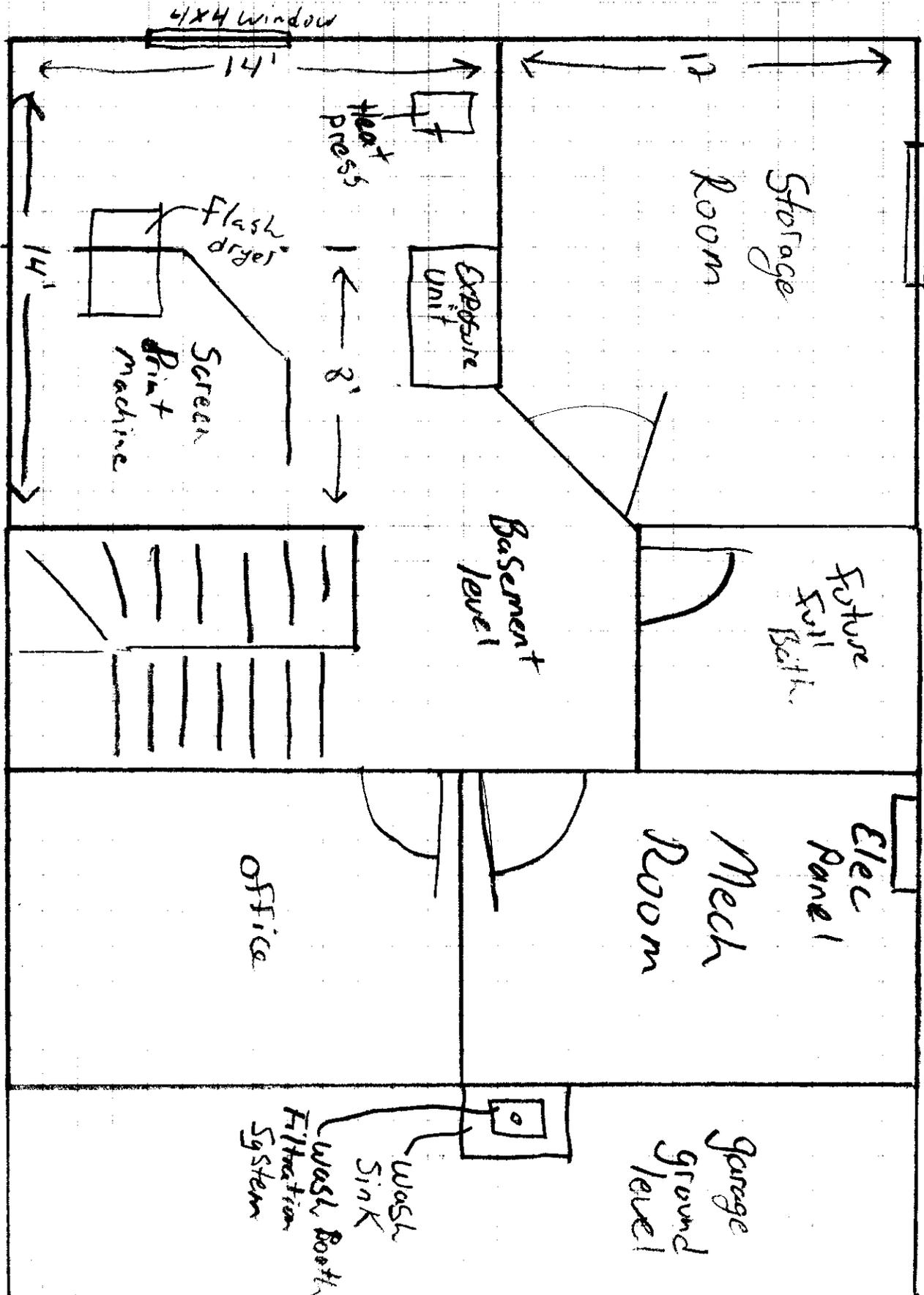
CALGARY
5535 53rd Ave SE
Calgary, AB
T2C 4N2
1.866.379.4995
403.279.4995

SASKATOON
3062 Millar Avenue
Saskatoon, SK
S7K 5X9
1.844.652.2210
306.652.2210

BRANDON
1900 33rd Street E
Brandon, MB
R7A 5Y4
1.800.899.2405
204.728.9484

WINNIPEG
1540 Seel Avenue
Winnipeg, MB
R3T 4Z6
1.888.478.8748
204.477.8748

Eastern Canada
Cell: 204.250.8808
paul@cmetals.com



From: warrenwccowan@aol.com <warrenwccowan@aol.com>

Sent: Tuesday, April 6, 2021 8:28 PM

To: David Sarsfield <David.Sarsfield@lethbridge.ca>

Subject: SDAB 2021-02 : application 12679

My concern with this application is that it may not be suitable for this neighborhood should an accidental fire take place. The houses are close together and have vinyl siding which would mean more than one house would catch fire. I also have concerns with the activities on the Blood reserve regarding fires.
Warren Cowan 94 Moonlight Blvd W



Development Permit Application

Home Occupation

All of the following information is necessary to facilitate a thorough and timely evaluation and decision of your application. All materials submitted must be clear, legible and precise. Only applications that are complete will be accepted. PLEASE NOTE: this application is ONLY for a development permit. If a building permit is also required, you must apply for it separately.

Project Address
 768 moonlight cr W Lethbridge

Access Code

Applicant
 Name Kevin Sutherland
 Address 768 moonlight cr W
 City Lethbridge Postal Code T1J 5L1
 Phone 403-915-3839
 E-mail kevin_suth74@gmail.com
 Signature _____

Property Owner
 Name Kevin Sutherland
 Address 768 moonlight cr W
 City Lethbridge Postal Code T1J 5L1
 Phone 403-915-3839 B/L # _____
 E-mail kevin_suth74@gmail.com
 Signature _____

Providing an email means you consent to receiving documents or communications related to this application, including but not limited to development permit decisions, acknowledgments confirming an application is complete, and any notices identifying any outstanding documents and information, by email.

As the applicant I affirm:

- I am the registered owner of the above noted property
- I have entered into a binding agreement to purchase the above noted property with the registered owner(s)
- I have permission of the registered owner(s) of the above noted property to make the attached application for a Development Permit

Type of Home Occupation:

- Type A
- Type B/C

Detailed Description of Work:

Screen printing clothing for an online business.

Office Use Only		Development Fees to be charged	
Permit Required	<input type="checkbox"/> Yes <input type="checkbox"/> No	Overlay	_____
Zoning	_____	Development Permit #	_____
Allowable Use	<input type="checkbox"/> Permitted <input type="checkbox"/> Discretionary	Building Permit #	_____
		Permit Fee	_____
		Advertising Fee	_____
		Total	_____

Any personal information collected on this form is collected under the Municipal Government Act and in accordance with the Freedom of Information and Protection of Privacy Act. The information is required and will be used for issuing permits and planning & development purposes. Please Note that such information may be made public. If you have any questions about the collection, use, or disclosure of the personal information provided, please contact Information Management at 910 4 Ave S, Lethbridge, AB, T1J 0P6 or by phone at 403-329-7329

South 47 Designs

768 Moonlight Cr W

403-915-3839

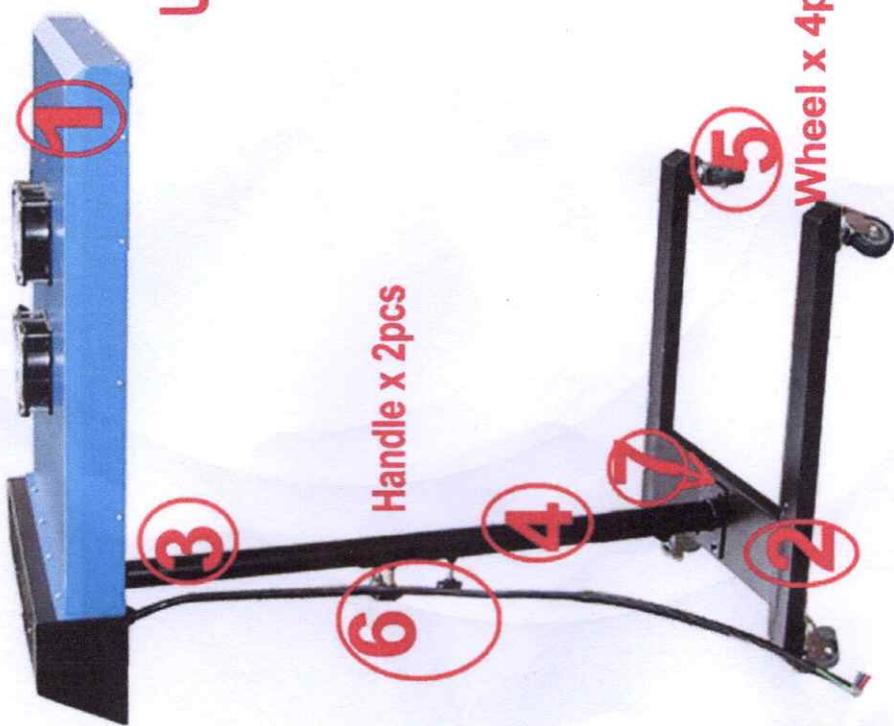
We are planning on printing a maximum of 200 - 300 prints per month. There will be zero customer traffic to our workplace as it is an online business. We will have packages delivered such as clothing monthly, as for outgoing deliveries they would be brought to Canada post on a weekly basis. We have looked at commercial properties and figured out we would have to be printing 1000 prints monthly in order to break even so a commercial property would not be in our best interest for at least a few years.

We are trying to build an eco-friendly brand therefore we will reuse when possible, use proper disposal methods, and are using water-based inks along with other eco-friendly products. All flammable liquids or sprays will be stored in a steel cabinet. For ventilation there is a window shown in the floor plan attached.

Equipment and Materials

- Manual 6 Station Screen printing machine.
- Dual fan flash dryer. See attachment.
- Vacuum exposure unit.
- Heat Press 110V.
- Water-based ink. See MSDS.
- Emulsion. See MSDS.
- Emulsion Stripper. See MSDS.
- Aqua wash ink cleaner. See MSDS.
- Degreaser. See MSDS.
- Sgreen Washout filtration system. See attached.

Automatic Double Fan IR Flash Dryer Instruction



CAUTION

1. Select the lamp switch before heating.
2. Don't touch lamp switch when heating.

VOLTAGE : 220V/50HZ
POWER : 6000W



NOTICE !

- MUST LOADING LEAKAGE SWITCH, EARTHING LINE .
- MUST TURN OFF THE POWER WHEN LEAVING .

OPERATION PROCESS :

TURN ON : TURN ON POWER → SELECT LAMP SWITCH → SET WORKING TIME

WHEN TURN ON THE POWER, FAN AUTOMATIC WORKING

TIME END → THE IR LAMP WORKING → THE PALLET COMING → TIME UP

THE IR LAMP OFF → TURN OFF LAMP → FAN WORKING 3-5MINUTES → TURN OFF POWER

(BEFORE TURN OFF POWER, LET FAN WORKING 3-5 MINUTES, WILL PROTECT FAN and heating tube)

Yellow & Green : Earth wire
Brown : Fire wire
Blue : Zero line





Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Comet White Water Based

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Ryonet.
12303 NE 56th St.
Vancouver, Wa, 98682

1.4. Emergency telephone number

Emergency number : 1-800-424-9300
ChemTrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. Not classified
Skin Irrit. Not classified

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Hazard statements (GHS-US) : H320 - Causes eye irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : ≥ 25 (5 - 42) °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: >= 8 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: <= 0 °C
Boiling point	: >= 100 °C
Flash point	: >= 200 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: >= 1.357 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: <= 10 g/l Per Carb Regulations
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified. pH: >= 8 - 9
Serious eye damage/irritation	: Not classified pH: >= 8 - 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
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12.2. Persistence and degradability

Comet White Water Based	
Persistence and degradability	Not readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	>= 0.16 g O ₂ /g substance
Chemical oxygen demand (COD)	>= 0.8 g O ₂ /g substance

12.3. Bioaccumulative potential

Comet White Water Based	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
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Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

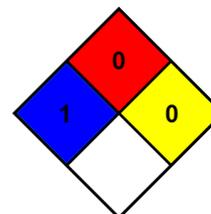
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Irrit. Not classified	Skin corrosion/irritation Not classified

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard : None



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Pitch Black Water Based

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Ryonet.
12303 NE 56th St.
Vancouver, Wa, 98682

1.4. Emergency telephone number

Emergency number : 1-800-424-9300
ChemTrec

SECTION 2: Hazards identification

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Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : ≥ 25 (5 - 42) °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: $\geq 8 - 9$
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: ≤ 0 °C
Boiling point	: ≥ 100 °C
Flash point	: ≥ 200 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≥ 1.357 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: ≤ 10 g/l Per Carb Regulations
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified. pH: $\geq 8 - 9$
Serious eye damage/irritation	: Not classified pH: $\geq 8 - 9$
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
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12.2. Persistence and degradability

Pitch Black Water Based	
Persistence and degradability	Not readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	$\geq 0.16 \text{ g O}_2/\text{g substance}$
Chemical oxygen demand (COD)	$\geq 0.8 \text{ g O}_2/\text{g substance}$

12.3. Bioaccumulative potential

Pitch Black Water Based	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
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Pitch Black Water Based

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Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

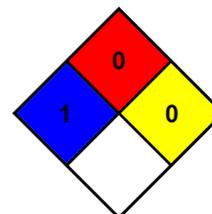
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Irrit. Not classified	Skin corrosion/irritation Not classified

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard : None



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

1 Identification

- **Product identifier**
- **Trade name:** *SVP*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ryonet Corporation
12303 NE 56th St
Vancouver, WA 98682
Toll-free: 1-800-314-6390
International: 1-360-576-7188
Fax: 1-360-546-1454
- **Information department:** *Product safety department*
- **Emergency telephone number:** *INFOTRAC 1-800-535-5053*

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** *The product is classified and labeled according to the Globally Harmonized System (GHS).*
- **Hazard pictograms**



- **Signal word** *Warning*
- **Hazard-determining components of labeling:**
*Epoxy Acrylate
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
Polymerisation Inhibitor*
- **Hazard statements**
H317 May cause an allergic skin reaction.
- **Precautionary statements**
P261 *Avoid breathing dust/fume/gas/mist/vapors/spray*
P280 *Wear protective gloves.*
P272 *Contaminated work clothing must not be allowed out of the workplace.*
P321 *Specific treatment (see on this label).*
P363 *Wash contaminated clothing before reuse.*
P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*
P302+P352 *If on skin: Wash with plenty of water.*
P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

	Epoxy Acrylate	5-15%
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	<5%
	Polymerisation Inhibitor	<1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Trade name: SVP

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- Ensure adequate ventilation.
- **Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- **Breathing equipment:**
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic
Odour threshold:	Not determined.

· **pH-value at 20 °C (68 °F):** 5.5

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)

· **Flash point:** > 100 °C (> 212 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 410 °C (770 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)

· **Density at 20 °C (68 °F):** 1.05 g/cm³ (8.762 lbs/gal)

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· Solubility in / Miscibility with

Water: Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

· Solvent content:

Organic solvents: 0.0 %

· **Other information** No further relevant information available.

-US

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Trade name: SVP

(Contd. of page 4)

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)
--

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)
--

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

US

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADN, IMDG, IATA · Class 	<i>not regulated</i>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<i>No</i>
<ul style="list-style-type: none"> · Special precautions for user 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<i>not regulated</i>

15 Regulatory information

<ul style="list-style-type: none"> · Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara 	
<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances): 	<i>None of the ingredients is listed.</i>
<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings): 	<i>None of the ingredients is listed.</i>
<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act): 	<i>All ingredients are listed.</i>
<ul style="list-style-type: none"> · Proposition 65 	
<ul style="list-style-type: none"> · Chemicals known to cause cancer: 	<i>None of the ingredients is listed.</i>
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females: 	<i>None of the ingredients is listed.</i>

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

Epoxy Acrylate

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

Polymerisation Inhibitor

· **Hazard statements**

H317 May cause an allergic skin reaction.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves.

P272 Contaminated work clothing must not be allowed out of the workplace.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P302+P352 If on skin: Wash with plenty of water.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** H.S.D

· **Date of preparation / last revision** 07/29/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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Trade name: SVP

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

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US

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

1 Identification

- **Product identifier**
- **Trade name:** Sgreen Emulsion Stripper
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ryonet Corporation
12303 NE 56th St
Vancouver, WA 98682
Toll-free: 1-800-314-6390
International: 1-360-576-7188
Fax: 1-360-546-1454
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC 1-800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- **Precautionary statements**
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P264 Wash thoroughly after handling.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.

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Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

7790-28-5	sodium periodate	1-5%
10450-60-9	periodic acid	1-5%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.

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Trade name: Sgreen Emulsion Stripper

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

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- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid
Color: According to product specification

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100 °C (212 °F)

- **Flash point:** > 100 °C (> 212 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**

Decomposition temperature: Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not determined.
Upper: Not determined.

- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)

- **Density at 20 °C (68 °F):** 1.063 g/cm³ (8.871 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water: Fully miscible.

- **Partition coefficient (n-octanol/water):** Not determined.

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US

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

(Contd. of page 4)

- | | |
|---------------------------|---|
| · Viscosity: | |
| Dynamic: | <i>Not determined.</i> |
| Kinematic: | <i>Not determined.</i> |
| · Solvent content: | |
| Organic solvents: | <i>0.0 %</i> |
| Other information | <i>No further relevant information available.</i> |

10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

(Contd. of page 5)

- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADN, IMDG, IATA · Class 	<i>not regulated</i>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<i>No</i>
<ul style="list-style-type: none"> · Special precautions for user 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<i>not regulated</i>

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

(Contd. of page 6)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

- **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· **Precautionary statements**

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

(Contd. on page 8)

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Trade name: Sgreen Emulsion Stripper

(Contd. of page 7)

P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P321 *Specific treatment (see on this label).*

P332+P313 *If skin irritation occurs: Get medical advice/attention.*

P337+P313 *If eye irritation persists: Get medical advice/attention.*

P302+P352 *IF ON SKIN: Wash with plenty of water.*

P362+P364 *Take off contaminated clothing and wash it before reuse.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** H.S.D

· **Date of preparation / last revision** 02/19/2016 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

1 Identification

- **Product identifier**
- **Trade name:** Sgreen Aqua Wash
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ryonet Corporation
12303 NE 56th St
Vancouver, WA 98682
Toll-free: 1-800-314-6390
International: 1-360-576-7188
Fax: 1-360-546-1454
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC 1-800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Flam. Liq. 4 H227 Combustible liquid.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning

- **Hazard-determining components of labeling:**

citrus terpene

- **Hazard statements**

H227 Combustible liquid.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

- **Precautionary statements**

P210 Keep away from flames and hot surfaces. – No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves / eye protection / face protection.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 1)

- P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P321 *Specific treatment (see on this label).*
- P363 *Wash contaminated clothing before reuse.*
- P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*
- P337+P313 *If eye irritation persists: Get medical advice/attention.*
- P370+P378 *In case of fire: Use for extinction: CO₂, powder or water spray.*
- P302+P352 *IF ON SKIN: Wash with plenty of water.*
- P403+P235 *Store in a well-ventilated place. Keep cool.*
- P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

34590-94-8	(2-methoxymethylethoxy)propanol	5-15%
5989-27-5	Citrus terpene	<5%

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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Trade name: Sgreen Aqua Wash

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

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- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

34590-94-8 (2-methoxymethylethoxy)propanol

PEL Long-term value: 600 mg/m³, 100 ppm
Skin

REL Short-term value: 900 mg/m³, 150 ppm
Long-term value: 600 mg/m³, 100 ppm
Skin

TLV Short-term value: 909 mg/m³, 150 ppm
Long-term value: 606 mg/m³, 100 ppm
Skin

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

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Trade name: Sgreen Aqua Wash

(Contd. of page 4)

Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	62 °C (144 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	270 °C (518 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17 mm Hg)
· Density at 20 °C (68 °F):	0.98 g/cm ³ (8.178 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
VOC content:	98 g/l / 0.82 lb/gl
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

(Contd. on page 6)

Safety Data Sheet

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Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 5)

· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

5989-27-5 Citrus terpene

Oral LD50 4400 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

· **Mobility in soil:** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:** Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

US

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 6)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations

14 Transport information

- | | |
|--|------------------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | <i>not regulated</i> |
| · Packing group | |
| · DOT, IMDG, IATA | <i>not regulated</i> |
| · Environmental hazards: | |
| · Marine pollutant: | <i>No</i> |
| · Special precautions for user | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>not regulated</i> |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 7)

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

citrus terpene

- **Hazard statements**

H227 Combustible liquid.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

- **Precautionary statements**

Pennsylvania Right To Know Components

D-Limonene, CAS 5989-27-5, Revision 2009-07-17

New Jersey Right To Know Components

D-Limonene, CAS 589-27-5, Revision date 2009-07-17

P210 Keep away from flames and hot surfaces. – No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves / eye protection / face protection.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

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Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 8)

- P363 Wash contaminated clothing before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Contact:** H.S.D
- **Date of preparation / last revision** 02/19/2016 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

SAFETY DATA SHEET



Date Issued : 1/27/2016
MSDS No : 247

Green Galaxy CryoPrep Mesh Degreaser/Emulsion Prep

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Green Galaxy CryoPrep Mesh Degreaser/Emulsion Prep

GENERAL USE: Degreasing cleanser for screen-printing mesh

PRODUCT DESCRIPTION: Mesh Prep

MANUFACTURER

RYONET
12303 NE 56th St.
Vancouver, WA 98682

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC 800-535-5053 or 352-323-3500, 24-hours
everyday

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 2B
Skin Irritation, Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 3
Chronic Hazards to the Aquatic Environment, Category 3

GHS LABEL

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.
H320: Causes eye irritation.
H316: Causes mild skin irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P273: Avoid release to the environment.
P264: Wash skin thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P332+P313: If skin irritation occurs: Get medical advice/attention.

Disposal:

P501: Dispose of contents/container in accordance with federal/state/local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Proprietary	5 - 15	N/A
Sodium Dodecylbenzenesulfonate	5 - 15	68081-81-2

COMMENTS: If the Chemical Name is listed as "proprietary" and the CAS # is listed as "N/A", the specific chemical identity and CAS # are being withheld as a trade secret. The product's hazards are disclosed on the SDS.

4. FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN: Wash off with soap and plenty of water. Consult a physician if irritation develops.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Not Available

FIRE FIGHTING EQUIPMENT: Wear self contained breathing apparatus for fire fighting if necessary.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spill. Wipe area with water soaked towels.

LARGE SPILL: Wear suitable protective equipment. Do not touch or walk through spilled material. Contain spillage, soak up with absorbent material such as sand, earth, vermiculite and transfer to a container for disposal according to local/state/federal regulations. Flush spill area with water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow uncontrolled discharge of product into the environment.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes.

STORAGE: Keep container closed to prevent drying out.

SHELF LIFE: 36 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

SKIN: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

RESPIRATORY: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

PROTECTIVE CLOTHING: Apron recommended.

WORK HYGIENIC PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild

COLOR: Green

pH: 3 to 4

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: Not Available

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Miscible
EVAPORATION RATE: Not Available
SPECIFIC GRAVITY: 1.084
VISCOSITY: Not Available
(VOC): 0 g/L

10. STABILITY AND REACTIVITY

STABLE: Yes
STABILITY: Stable under recommended storage conditions.
CONDITIONS TO AVOID: Not Available
HAZARDOUS DECOMPOSITION PRODUCTS: Not Available
INCOMPATIBLE MATERIALS: Not Available

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Sodium Dodecylbenzenesulfonate	438 mg/kg [Rat]

DERMAL LD₅₀: Not yet determined for this product
ORAL LD₅₀: Not yet determined for this product
INHALATION LC₅₀: Not yet determined for this product

EYE EFFECTS: Causes eye irritation.
SKIN EFFECTS: Causes mild skin irritation.

CARCINOGENICITY

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans
NTP: Not listed
OSHA: Not listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data are available on the adverse effects of this material on the environment.
Notes: Proprietary: Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 37 mg/l - 96 h

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all current local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME:

	DOT CLASSIFICATION
UN number	-
UN proper shipping name	NOT REGULATED
Transport hazard class	-
Packing group	-
Label	-

AIR (ICAO/IATA)
SHIPPING NAME:

	IATA
UN number	-
UN proper shipping name	NOT REGULATED
Transport hazard class	-
Packing group	-
Passenger air max	-
Label	-

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: CHRONIC HEALTH HAZARD

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: No CHRONIC: Yes

313 REPORTABLE INGREDIENTS: None

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Dodecylbenzenesulfonate	68081-81-2

TSCA REGULATORY: All components of this product are listed on the TSCA Inventory.

CLEAN WATER ACT: CAS # 68081-81-2

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product

WHMIS CLASS: D

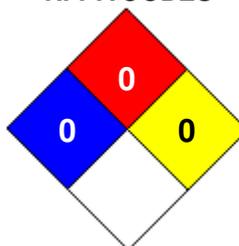
DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS RATING

HEALTH	<input type="checkbox"/>	0
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

NFPA CODES



MANUFACTURER DISCLAIMER: The information contained in the present sheet is based on our knowledge, on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

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SGREEN WASHOUT BOOTH FILTRATION SYSTEM

by [Sgreen](#)

~~\$1,609.99~~ **\$1,499.99**

SKU DREQ-RYOFILTER-PU

SLOW SHIP ITEM

SHIPPING NOT INCLUDED

PLEASE CONTACT FOR QUOTE

The Sgreen® Filtration System is an ink filtration system designed to remove harmful waste solids from the screen cleaning process while protecting your plumbing and the environment from harmful byproducts. Even when using eco-friendly inks and chemicals, the screen cleaning and reclaiming process can cause harmful solids to be flushed down the drain. Placing the Sgreen® Filtration System under your washout booth will filter out these waste products from your water and allow you to run a greener shop with a cleaner conscience. The Sgreen® Filtration system catches the water as it comes out of the sink, sending it through six stages of filtration for the optimal clean water. The first stage is a disposable filter which catches all of the big particles immediately; then the water goes through a series of three reusable screens: 86, 156, and 200 mesh. The filtered water then flows into a pump holding tank where a high powered industrial sump pump is triggered, pushing the water through the final two stages: a 70 micron and 20 micron filter. With this six stage filtering process, you can be confident that the water has been filtered multiple times, most solids have been removed, and any remaining particulate has been reduced to 20 microns, giving you clean water and a true eco-friendly screen cleaning process.

- Cleans harmful byproducts from waste water.
- Six-stage water filtering process catches waste ranging from the largest emulsion pieces to the tiniest ink particles.
- Recommended for shops running a single auto, or working with up to 100 screens per day.
- Increased volume or usage will require more frequent cleaning of the system.
- Great solution for the end of a Lotus/Auto-reclaimer once the solids are initially removed.
- Recommended to always practice smart ink management.
- Stainless steel casing.
- Six filters, ranging from a 86 mesh screen to 20 microns.

REPLACEMENT FILTERS:

- [16 x 20 OD 86 Mesh Screen](#)
- [16 x 20 OD 156 Mesh Screen](#)

APPLICATION NO.
DEV12679

LAND USE DISTRICT
R-CL Comprehensively
Planned Low Density
Residential District

LOCATION
768 Moonlight Crescent West

APPELLANT
Kevin Sutherland

LANDOWNER
Kevin Sutherland
Melissa Mundle

PROPOSED DEVELOPMENT

To establish a Type A home occupation for a silk screening business

Documentation as Schedule A

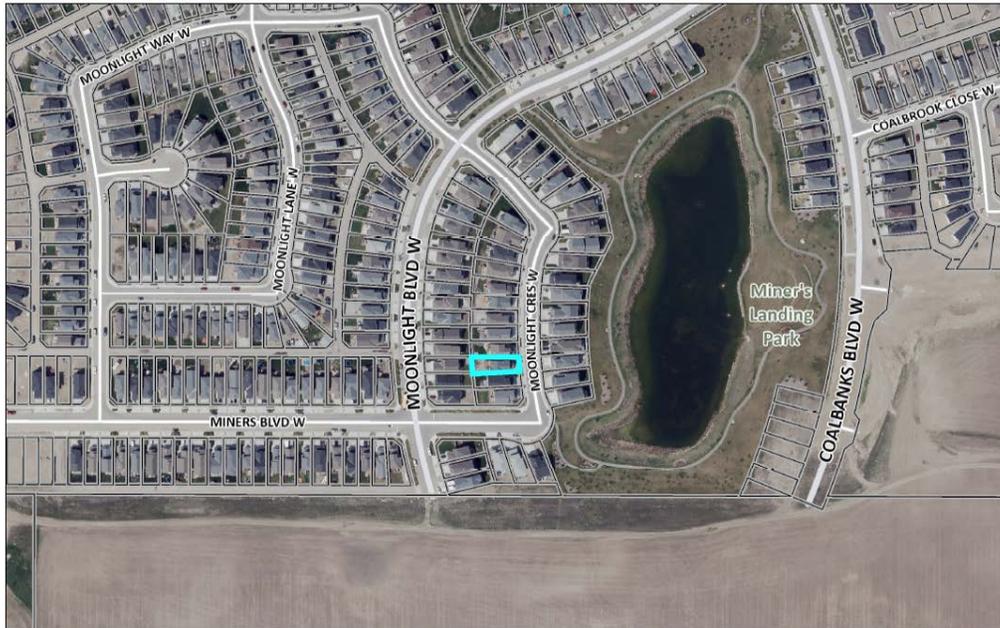
CURRENT DEVELOPMENT

Single Detached Dwelling

ADJACENT DEVELOPMENT

North	Single Detached Dwelling
South	Single Detached Dwelling
East	Single Detached Dwelling
West	Single Detached Dwelling

CONTEXT MAP



NOTIFICATION SUMMARY

Neighbourhood Assoc.	N/A
Neighbourhood	Neighbourhood letters are not sent for Type A Home Occupations.

EVALUATION

Background	<ul style="list-style-type: none"> • An application to establish a Type B Home Occupation was received January 25, 2021. • This application was reviewed for compliance with Land Use Bylaw 6300. • The proposal, as determined by the Development Officer after consulting internal City of Lethbridge departments, did not meet the performance standards in the Land Use Bylaw for Type A Home Occupations. • The application was refused on February 26, 2021, for not meeting the requirements of Land Use Bylaw 6300 Section 53 (1)(h), which states that all home occupations shall have "no offensive impacts on the Household or neighbouring Households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards."
-------------------	--

LAND USE BYLAW SUMMARY

Use: Home Occupation – Type A

Permitted

Section 53	Requirement	Provided	Waiver Requested
Customer or Student visits	0	0	N/A
Minimum on-site parking spaces	0	0	N/A
Supplier visits	0	0	N/A
Employees	No one employed by or engaged in the Home Occupation who is not a permanent resident of the home shall visit for the purpose of carrying out any aspect of the home occupation	No employees	N/A
Visibility &/or Signage	No aspect of the Home Occupation may be visible from outside the dwelling or building. Signs are not permitted	None	N/A
Vehicles	A vehicle used in the Home Occupation, that may visit or be parked at the parcel, must be either: A passenger vehicle or A truck or van (excluding a cube van) with a maximum of one tonne capacity and 6 meter length	None	N/A
Storage	No outside storage of goods, materials, or equipment is allowed.	None	N/A
Offensive Impacts	No offensive impacts on the household or neighbouring households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards, are allowed	It was determined that there would/could be offensive impacts on the household. (Analysis Below)	N/A

Context	<p>This application is before the Subdivision and Development Appeal Board because:</p> <ul style="list-style-type: none"> ○ The permit has been appealed by the applicant, who did not agree with the determination of the Development officer.
----------------	---

<p>Considerations</p> <p>Context</p> <p>Zoning</p> <p>Analysis</p>	<p>Compliance with Land Use Bylaw 6300</p> <ul style="list-style-type: none"> ○ It was determined that this application does not meet all the requirements for a Type A Home Occupation ○ There are 2 other Type A Home Occupations within a 60m radius of this parcel. <ul style="list-style-type: none"> ○ Mobile and online Consultant ○ Drywall contractor ● Parcel is zoned R-CL Comprehensively Planned Low Density Residential District <ul style="list-style-type: none"> ○ Purpose: For the development of single detached dwellings according to an approved comprehensive citing plan. ○ Home Occupations – Type A are a permitted use in this district <p>Documentation provided by the applicant, as attached in Schedule A, outlines the following hazards associated with the materials used in the proposed business.</p> <ol style="list-style-type: none"> 1. WHMIS classifications for most materials/products required for the business are classified as having potential health hazards. One material/product is classified as D(2) - Toxic – Poisonous and infectious materials causing other toxic effects. 2. documentation provided indicates the materials/products required for the business have varying degrees of impacts to skin, respiratory tract, and eyes, as well as potential impacts to public water system and aquatic environments. 3. documentation provided indicates the materials/products required for the business have various levels of controls and precautionary warnings, including but not limited to, <p>- Handle in accordance with good Industrial hygiene and safety practice</p>
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<p>Comments received from City of Lethbridge Departments</p>	<ul style="list-style-type: none"> - Gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices - Respirators – where risk assessment shows air purifying respirators are appropriate, use a full face respirator - Avoid breathing dust/fumes/gas/mist/vapor/spray - Contaminated clothing must not be allowed out of the workplace. - Brief exposure use respiratory filter device, longer exposure use respiratory protective device independent of circulating air. - Avoid all unnecessary exposure - Wear protective gloves - Chemical goggles or safety glasses - Wear appropriate mask - Do not eat, drink, smoke during use - Wear gloves with appropriate penetration times <ol style="list-style-type: none"> 1. Fire Prevention - No concerns with this application. 2. Water/Wastewater - My main concern is for the proper disposal of the spent chemicals. Section 8 of the sewer bylaw #3250 identifies prohibitions for discharge of wastewater into the sewer system. The proponent needs to ensure compliance with all prohibitions in Section 8. Note any substances (i.e. Mars Red & Sgreen,) with MSDS that state “Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters,” or similar precautions. 3. Building Inspections - My concerns are with the chemicals and the protection of the drainage system. I do not believe this should be allowed in a residential setting.
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<p>Legislation & Policy</p>	<p>Land Use Bylaw 6300</p> <ul style="list-style-type: none"> • Section 4 (3) Definitions <ul style="list-style-type: none"> ○ Home Occupation means the accessory use of residential property by the occupant or occupants for an occupation, trade, profession or craft. This use excludes woodworking, welding, machine shops, automotive, or autobody and/or paint shops. ○ Home Occupation – Type A means a home business with no customer visits. • Section 53, Home Occupation performance standards as stated above • Section 53 Compliance requirements:
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	<ul style="list-style-type: none"> ○ Any failure to meet the conditions of the Development Permit for a Home Occupation may result in revocation of the permit. ○ Changes to an approved Home Occupation require the approval of the development authority. ○ A Development Permit for a Home Occupation is not transferable to a new address. ○ A person or business to whom a development permit for a Home Occupation has been issued, or any successor to the permit, shall continuously comply with the requirements of Section 53 and the conditions of the Development Permit. <ul style="list-style-type: none"> • Section 83, R-CL, Comprehensively Planned Low Density Residential District <p>Integrated Community Sustainability Plan / Municipal Development Plan:</p> <ul style="list-style-type: none"> • 6.1.1 Lethbridge is a Good Place to Open and Operate a Business <p>Policy</p> <p>5) Support home based businesses that respect the residential characteristics of their neighborhood.</p> <p>South Saskatchewan Regional Plan 2014-2024</p> <ul style="list-style-type: none"> • Complies
--	--

CONCLUSION

The application was refused with the following conditions:

1. The application to establish a Type A home occupation for a silk screening business is refused as the application does not comply with Land Use Bylaw 6300 section 53 (1) (h), which states that all home occupations shall have "no offensive impacts on the Household or neighbouring Households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards."

South 47 Designs

768 Moonlight Cr W

403-915-3839

We are planning on printing a maximum of 200 - 300 prints per month. There will be zero customer traffic to our workplace as it is an online business. We will have packages delivered such as clothing monthly, as for outgoing deliveries they would be brought to Canada post on a weekly basis. We have looked at commercial properties and figured out we would have to be printing 1000 prints monthly in order to break even so a commercial property would not be in our best interest for at least a few years.

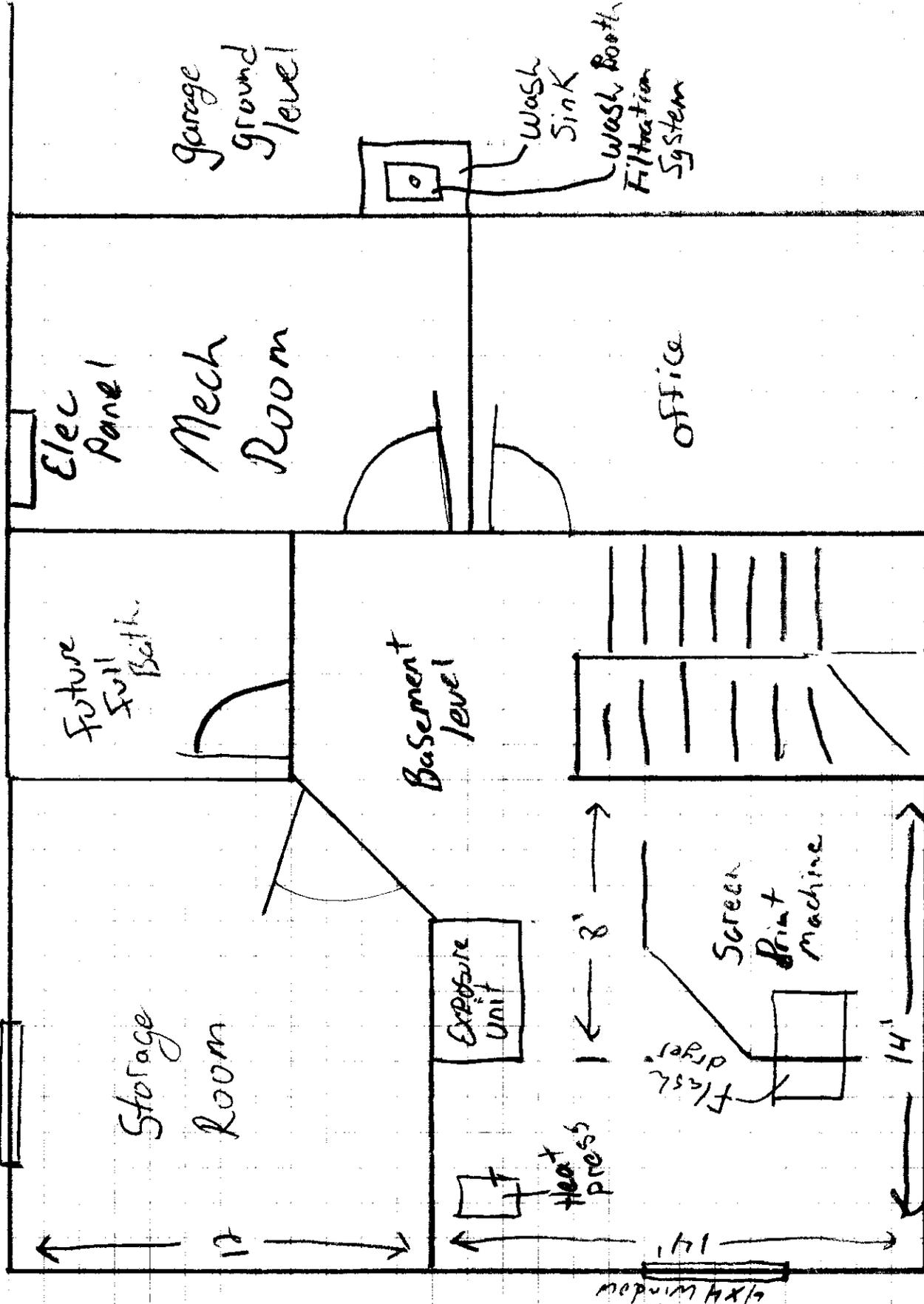
We are trying to build an eco-friendly brand therefore we will reuse when possible, use proper disposal methods, and are using water-based inks along with other eco-friendly products. All flammable liquids or sprays will be stored in a steel cabinet. For ventilation there is a window shown in the floor plan attached.

Equipment and Materials

- Manual 6 Station Screen printing machine.
- Dual fan flash dryer. See attachment.
- Vacuum exposure unit.
- Heat Press 110V.
- Water-based ink. See MSDS.
- Emulsion. See MSDS.
- Emulsion Stripper. See MSDS.
- Aqua wash ink cleaner. See MSDS.
- Degreaser. See MSDS.
- Sgreen Washout filtration system. See attached.

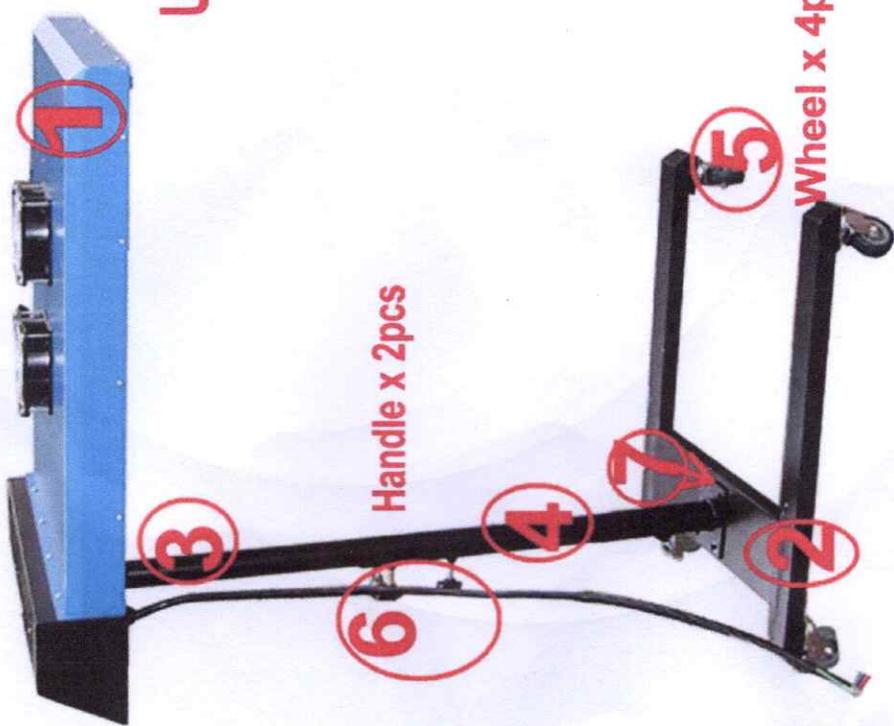
- Pre-painted Steel
- Hot Rolled
- Galvalume
- Galvanized Perforated
- Stainless Steel
- Pre-painted Aluminum
- Cold Rolled
- Pickled & Oiled
- Copper
- Pre-Painted Aluminum
- Anodized Aluminum
- Satin Coat
- Aluminumized
- Aluminum Sheet
- Aluminum Tread Plate

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 R7A 5Y4
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 204.728.9484
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 Winnipeg, MB
 R3T 4Z6
 1.888.478.8748
 204.477.8748
- Eastern Canada**
 Cell: 204.250.8808
 paul@cmetals.com
 Page 81

Automatic Double Fan IR Flash Dryer Instruction



Handle x 2pcs

Wheel x 4pcs



Fuse x 2pcs

Screw x 24pcs



1 Headpiece

CAUTION

1. Select the lamp switch before heating.
2. Dont touch lamp switch when heating.

VOLTAGE : 220V/50HZ
POWER : 6000W

NOTICE !

- MUST LOADING LEAKAGE SWITCH, EARTHING LINE .
- MUST TURN OFF THE POWER WHEN LEAVING .

OPERATION PROCESS :

TURN ON : TURN ON POWER → SELECT LAMP SWITCH → SET WORKING TIME

WHEN TURN ON THE POWER, FAN AUTOMATIC WORKING

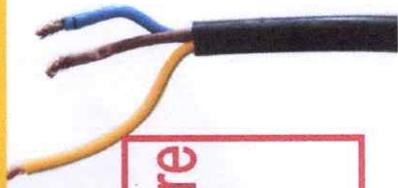
TIME END → THE IR LAMP WORKING → THE PALLET COMING → TIME UP

THE IR LAMP OFF → TURN OFF LAMP → FAN WORKING 3-5MINUTES → TURN OFF POWER

(BEFORE TURN OFF POWER, LET FAN WORKING 3-5 MINUTES, WILL PROTECT FAN and heating tube)



Yellow & Green : Earth wire
Brown : Fire wire
Blue : Zero line



SAFETY DATA SHEET



Date Issued : 1/27/2016
MSDS No : 247

Green Galaxy CryoPrep Mesh Degreaser/Emulsion Prep

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Green Galaxy CryoPrep Mesh Degreaser/Emulsion Prep

GENERAL USE: Degreasing cleanser for screen-printing mesh

PRODUCT DESCRIPTION: Mesh Prep

MANUFACTURER

RYONET
12303 NE 56th St.
Vancouver, WA 98682

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC 800-535-5053 or 352-323-3500, 24-hours
everyday

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Eye Irritation, Category 2B
Skin Irritation, Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 3
Chronic Hazards to the Aquatic Environment, Category 3

GHS LABEL

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.
H320: Causes eye irritation.
H316: Causes mild skin irritation.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P273: Avoid release to the environment.
P264: Wash skin thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P332+P313: If skin irritation occurs: Get medical advice/attention.

Disposal:

P501: Dispose of contents/container in accordance with federal/state/local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Proprietary	5 - 15	N/A
Sodium Dodecylbenzenesulfonate	5 - 15	68081-81-2

COMMENTS: If the Chemical Name is listed as "proprietary" and the CAS # is listed as "N/A", the specific chemical identity and CAS # are being withheld as a trade secret. The product's hazards are disclosed on the SDS.

4. FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN: Wash off with soap and plenty of water. Consult a physician if irritation develops.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Not Available

FIRE FIGHTING EQUIPMENT: Wear self contained breathing apparatus for fire fighting if necessary.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spill. Wipe area with water soaked towels.

LARGE SPILL: Wear suitable protective equipment. Do not touch or walk through spilled material. Contain spillage, soak up with absorbent material such as sand, earth, vermiculite and transfer to a container for disposal according to local/state/federal regulations. Flush spill area with water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow uncontrolled discharge of product into the environment.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes.

STORAGE: Keep container closed to prevent drying out.

SHELF LIFE: 36 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

SKIN: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

RESPIRATORY: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

PROTECTIVE CLOTHING: Apron recommended.

WORK HYGIENIC PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild

COLOR: Green

pH: 3 to 4

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: Not Available

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Miscible
EVAPORATION RATE: Not Available
SPECIFIC GRAVITY: 1.084
VISCOSITY: Not Available
(VOC): 0 g/L

10. STABILITY AND REACTIVITY

STABLE: Yes
STABILITY: Stable under recommended storage conditions.
CONDITIONS TO AVOID: Not Available
HAZARDOUS DECOMPOSITION PRODUCTS: Not Available
INCOMPATIBLE MATERIALS: Not Available

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Sodium Dodecylbenzenesulfonate	438 mg/kg [Rat]

DERMAL LD₅₀: Not yet determined for this product

ORAL LD₅₀: Not yet determined for this product

INHALATION LC₅₀: Not yet determined for this product

EYE EFFECTS: Causes eye irritation.

SKIN EFFECTS: Causes mild skin irritation.

CARCINOGENICITY

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans

NTP: Not listed

OSHA: Not listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data are available on the adverse effects of this material on the environment.

Notes: Proprietary: Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 37 mg/l - 96 h

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all current local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:

	DOT CLASSIFICATION
UN number	-
UN proper shipping name	NOT REGULATED
Transport hazard class	-
Packing group	-
Label	-

AIR (ICAO/IATA)

SHIPPING NAME:

	IATA
UN number	-
UN proper shipping name	NOT REGULATED
Transport hazard class	-
Packing group	-
Passenger air max	-
Label	-

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: CHRONIC HEALTH HAZARD

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: No CHRONIC: Yes

313 REPORTABLE INGREDIENTS: None

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Dodecylbenzenesulfonate	68081-81-2

TSCA REGULATORY: All components of this product are listed on the TSCA Inventory.

CLEAN WATER ACT: CAS # 68081-81-2

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product

WHMIS CLASS: D

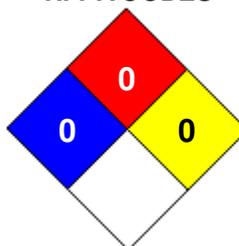
DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS RATING

HEALTH	<input type="checkbox"/>	0
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

NFPA CODES



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Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Comet White Water Based

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Ryonet.
12303 NE 56th St.
Vancouver, Wa, 98682

1.4. Emergency telephone number

Emergency number : 1-800-424-9300
ChemTrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. Not classified
Skin Irrit. Not classified

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Hazard statements (GHS-US) : H320 - Causes eye irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : ≥ 25 (5 - 42) °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: >= 8 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: <= 0 °C
Boiling point	: >= 100 °C
Flash point	: >= 200 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: >= 1.357 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: <= 10 g/l Per Carb Regulations
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified. pH: >= 8 - 9
Serious eye damage/irritation	: Not classified pH: >= 8 - 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
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12.2. Persistence and degradability

Comet White Water Based	
Persistence and degradability	Not readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	>= 0.16 g O ₂ /g substance
Chemical oxygen demand (COD)	>= 0.8 g O ₂ /g substance

12.3. Bioaccumulative potential

Comet White Water Based	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
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Comet White Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

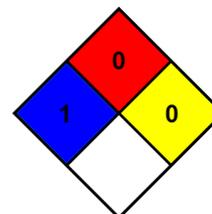
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Irrit. Not classified	Skin corrosion/irritation Not classified

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard : None



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



Mars Red Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Mars Red Water Based

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Ryonet.
12303 NE 56th St.
Vancouver, Wa, 98682

1.4. Emergency telephone number

Emergency number : 1-800-424-9300
ChemTrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. Not classified
Skin Irrit. Not classified

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Hazard statements (GHS-US) : H320 - Causes eye irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Mars Red Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : ≥ 25 (5 - 42) °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Mars Red Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: red.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: >= 8 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: <= 0 °C
Boiling point	: >= 100 °C
Flash point	: >= 200 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: >= 1.357 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: <= 10 g/l Per Carb Regulations
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Mars Red Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified. pH: >= 8 - 9
Serious eye damage/irritation	: Not classified pH: >= 8 - 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
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12.2. Persistence and degradability

Mars Red Water Based	
Persistence and degradability	Not readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	>= 0.16 g O ₂ /g substance
Chemical oxygen demand (COD)	>= 0.8 g O ₂ /g substance

12.3. Bioaccumulative potential

Mars Red Water Based	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
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Mars Red Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

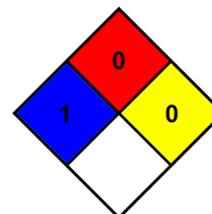
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Irrit. Not classified	Skin corrosion/irritation Not classified

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard : None



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Pitch Black Water Based

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Ryonet.
12303 NE 56th St.
Vancouver, Wa, 98682

1.4. Emergency telephone number

Emergency number : 1-800-424-9300
ChemTrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. Not classified
Skin Irrit. Not classified

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Hazard statements (GHS-US) : H320 - Causes eye irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : ≥ 25 (5 - 42) °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: $\geq 8 - 9$
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: ≤ 0 °C
Boiling point	: ≥ 100 °C
Flash point	: ≥ 200 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≥ 1.357 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: ≤ 10 g/l Per Carb Regulations
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified. pH: >= 8 - 9
Serious eye damage/irritation	: Not classified pH: >= 8 - 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.
-------------------	---

12.2. Persistence and degradability

Pitch Black Water Based	
Persistence and degradability	Not readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	>= 0.16 g O ₂ /g substance
Chemical oxygen demand (COD)	>= 0.8 g O ₂ /g substance

12.3. Bioaccumulative potential

Pitch Black Water Based	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
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Pitch Black Water Based

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

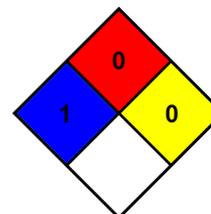
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Irrit. Not classified	Skin corrosion/irritation Not classified

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard : None



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

1 Identification

- **Product identifier**
- **Trade name:** *SVP*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ryonet Corporation
12303 NE 56th St
Vancouver, WA 98682
Toll-free: 1-800-314-6390
International: 1-360-576-7188
Fax: 1-360-546-1454
- **Information department:** *Product safety department*
- **Emergency telephone number:** *INFOTRAC 1-800-535-5053*

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** *The product is classified and labeled according to the Globally Harmonized System (GHS).*
- **Hazard pictograms**



- **Signal word** *Warning*
- **Hazard-determining components of labeling:**
Epoxy Acrylate
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
Polymerisation Inhibitor
- **Hazard statements**
H317 May cause an allergic skin reaction.
- **Precautionary statements**
P261 *Avoid breathing dust/fume/gas/mist/vapors/spray*
P280 *Wear protective gloves.*
P272 *Contaminated work clothing must not be allowed out of the workplace.*
P321 *Specific treatment (see on this label).*
P363 *Wash contaminated clothing before reuse.*
P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*
P302+P352 *If on skin: Wash with plenty of water.*
P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Trade name: SVP

(Contd. of page 1)

· **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

	Epoxy Acrylate	5-15%
42978-66-5	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	<5%
	Polymerisation Inhibitor	<1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

Trade name: SVP

(Contd. of page 2)

Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid
Color: According to product specification

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20 °C (68 °F):** 5.5

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100 °C (212 °F)

· **Flash point:** > 100 °C (> 212 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 410 °C (770 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.
Upper: Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)

· **Density at 20 °C (68 °F):** 1.05 g/cm³ (8.762 lbs/gal)

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· Solubility in / Miscibility with

Water: Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

Dynamic: Not determined.
Kinematic: Not determined.

· Solvent content:

Organic solvents: 0.0 %

· **Other information** No further relevant information available.

-US

(Contd. on page 5)

Trade name: SVP

(Contd. of page 4)

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)
--

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)
--

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

US

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Trade name: SVP

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADN, IMDG, IATA · Class 	<i>not regulated</i>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<i>No</i>
<ul style="list-style-type: none"> · Special precautions for user 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<i>not regulated</i>

15 Regulatory information

<ul style="list-style-type: none"> · Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara 	
<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances): 	<i>None of the ingredients is listed.</i>
<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings): 	<i>None of the ingredients is listed.</i>
<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act): 	<i>All ingredients are listed.</i>
<ul style="list-style-type: none"> · Proposition 65 	
<ul style="list-style-type: none"> · Chemicals known to cause cancer: 	<i>None of the ingredients is listed.</i>
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females: 	<i>None of the ingredients is listed.</i>

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Trade name: SVP

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

Epoxy Acrylate

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

Polymerisation Inhibitor

· **Hazard statements**

H317 May cause an allergic skin reaction.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves.

P272 Contaminated work clothing must not be allowed out of the workplace.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P302+P352 If on skin: Wash with plenty of water.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** H.S.D

· **Date of preparation / last revision** 07/29/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

US

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SGREEN WASHOUT BOOTH FILTRATION SYSTEM

by Sgreen

~~\$1,609.99~~ **\$1,499.99**

SKU DREQ-RYOFILTER-PU

SLOW SHIP ITEM

SHIPPING NOT INCLUDED

PLEASE CONTACT FOR QUOTE

The Sgreen® Filtration System is an ink filtration system designed to remove harmful waste solids from the screen cleaning process while protecting your plumbing and the environment from harmful byproducts. Even when using eco-friendly inks and chemicals, the screen cleaning and reclaiming process can cause harmful solids to be flushed down the drain. Placing the Sgreen® Filtration System under your washout booth will filter out these waste products from your water and allow you to run a greener shop with a cleaner conscience. The Sgreen® Filtration system catches the water as it comes out of the sink, sending it through six stages of filtration for the optimal clean water. The first stage is a disposable filter which catches all of the big particles immediately; then the water goes through a series of three reusable screens: 86, 156, and 200 mesh. The filtered water then flows into a pump holding tank where a high powered industrial sump pump is triggered, pushing the water through the final two stages: a 70 micron and 20 micron filter. With this six stage filtering process, you can be confident that the water has been filtered multiple times, most solids have been removed, and any remaining particulate has been reduced to 20 microns, giving you clean water and a true eco-friendly screen cleaning process.

- Cleans harmful byproducts from waste water.
- Six-stage water filtering process catches waste ranging from the largest emulsion pieces to the tiniest ink particles.
- Recommended for shops running a single auto, or working with up to 100 screens per day.
- Increased volume or usage will require more frequent cleaning of the system.
- Great solution for the end of a Lotus/Auto-reclaimer once the solids are initially removed.
- Recommended to always practice smart ink management.
- Stainless steel casing.
- Six filters, ranging from a 86 mesh screen to 20 microns.

REPLACEMENT FILTERS:

- [16 x 20 OD 86 Mesh Screen](#)
- [16 x 20 OD 156 Mesh Screen](#)

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Reviewed on 02/19/2016

1 Identification

- **Product identifier**
- **Trade name:** Sgreen Aqua Wash
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Ryonet Corporation
 12303 NE 56th St
 Vancouver, WA 98682
 Toll-free: 1-800-314-6390
 International: 1-360-576-7188
 Fax: 1-360-546-1454
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC 1-800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Flam. Liq. 4 H227 Combustible liquid.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning

- **Hazard-determining components of labeling:**

citrus terpene

- **Hazard statements**

H227 Combustible liquid.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

- **Precautionary statements**

P210 Keep away from flames and hot surfaces. – No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves / eye protection / face protection.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

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P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P321 *Specific treatment (see on this label).*

P363 *Wash contaminated clothing before reuse.*

P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*

P337+P313 *If eye irritation persists: Get medical advice/attention.*

P370+P378 *In case of fire: Use for extinction: CO₂, powder or water spray.*

P302+P352 *IF ON SKIN: Wash with plenty of water.*

P403+P235 *Store in a well-ventilated place. Keep cool.*

P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 2

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1

FIRE 2 Fire = 2

REACTIVITY 0 Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

34590-94-8	(2-methoxymethylethoxy)propanol	5-15%
5989-27-5	Citrus terpene	<5%

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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Trade name: Sgreen Aqua Wash

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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Trade name: Sgreen Aqua Wash

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- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

34590-94-8 (2-methoxymethylethoxy)propanol

PEL Long-term value: 600 mg/m³, 100 ppm
Skin

REL Short-term value: 900 mg/m³, 150 ppm
Long-term value: 600 mg/m³, 100 ppm
Skin

TLV Short-term value: 909 mg/m³, 150 ppm
Long-term value: 606 mg/m³, 100 ppm
Skin

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

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Trade name: Sgreen Aqua Wash

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Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	62 °C (144 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	270 °C (518 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17 mm Hg)
· Density at 20 °C (68 °F):	0.98 g/cm ³ (8.178 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
VOC content:	98 g/l / 0.82 lb/gl
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

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Trade name: Sgreen Aqua Wash

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· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

5989-27-5 Citrus terpene

Oral LD50 4400 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

· **Mobility in soil:** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:** Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

US

(Contd. on page 7)

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Trade name: Sgreen Aqua Wash

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations

14 Transport information

- | | |
|--|------------------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | <i>not regulated</i> |
| · Packing group | |
| · DOT, IMDG, IATA | <i>not regulated</i> |
| · Environmental hazards: | |
| · Marine pollutant: | <i>No</i> |
| · Special precautions for user | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>not regulated</i> |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 7)

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

citrus terpene

- **Hazard statements**

H227 Combustible liquid.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

- **Precautionary statements**

Pennsylvania Right To Know Components

D-Limonene, CAS 5989-27-5, Revision 2009-07-17

New Jersey Right To Know Components

D-Limonene, CAS 589-27-5, Revision date 2009-07-17

P210 Keep away from flames and hot surfaces. – No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves / eye protection / face protection.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

(Contd. on page 9)

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Reviewed on 02/19/2016

Trade name: Sgreen Aqua Wash

(Contd. of page 8)

P363 Wash contaminated clothing before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P302+P352 IF ON SKIN: Wash with plenty of water.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** H.S.D

· **Date of preparation / last revision** 02/19/2016 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

1 Identification

- **Product identifier**
- **Trade name:** Sgreen Emulsion Stripper
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Ryonet Corporation
 12303 NE 56th St
 Vancouver, WA 98682
 Toll-free: 1-800-314-6390
 International: 1-360-576-7188
 Fax: 1-360-546-1454
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC 1-800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard statements**
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
- **Precautionary statements**

P280	Wear protective gloves.
P280	Wear eye protection / face protection.
P264	Wash thoroughly after handling.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.

(Contd. on page 2)

Safety Data Sheet

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Printing date 02/19/2016

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Trade name: Sgreen Emulsion Stripper

(Contd. of page 1)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

7790-28-5	sodium periodate	1-5%
10450-60-9	periodic acid	1-5%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)

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Safety Data Sheet

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Trade name: Sgreen Emulsion Stripper

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

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Trade name: Sgreen Emulsion Stripper

(Contd. of page 3)

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Color:	According to product specification

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)

- **Flash point:** > 100 °C (> 212 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**

Decomposition temperature:	Not determined.
-----------------------------------	-----------------

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)

- **Density at 20 °C (68 °F):** 1.063 g/cm³ (8.871 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water:	Fully miscible.
---------------	-----------------

- **Partition coefficient (n-octanol/water):** Not determined.

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Trade name: *Sgreen Emulsion Stripper*

(Contd. of page 4)

- | |
|--|
| <ul style="list-style-type: none"> · Viscosity: <li style="padding-left: 20px;">Dynamic: <i>Not determined.</i> <li style="padding-left: 20px;">Kinematic: <i>Not determined.</i> |
| <ul style="list-style-type: none"> · Solvent content: <li style="padding-left: 20px;">Organic solvents: <i>0.0 %</i> · Other information <i>No further relevant information available.</i> |

10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
- None of the ingredients is listed.*
- **NTP (National Toxicology Program)**
- None of the ingredients is listed.*
- **OSHA-Ca (Occupational Safety & Health Administration)**
- None of the ingredients is listed.*

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*

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Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

(Contd. of page 5)

- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of content and/or container in accordance with local, regional, national and/or international regulations
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADN, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADN, IMDG, IATA · Class 	<i>not regulated</i>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<i>not regulated</i>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<i>No</i>
<ul style="list-style-type: none"> · Special precautions for user 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<i>Not applicable.</i>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<i>not regulated</i>

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

(Contd. of page 6)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

- **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· **Precautionary statements**

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2016

Reviewed on 02/19/2016

Trade name: Sgreen Emulsion Stripper

(Contd. of page 7)

P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P321 *Specific treatment (see on this label).*

P332+P313 *If skin irritation occurs: Get medical advice/attention.*

P337+P313 *If eye irritation persists: Get medical advice/attention.*

P302+P352 *IF ON SKIN: Wash with plenty of water.*

P362+P364 *Take off contaminated clothing and wash it before reuse.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** H.S.D

· **Date of preparation / last revision** 02/19/2016 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

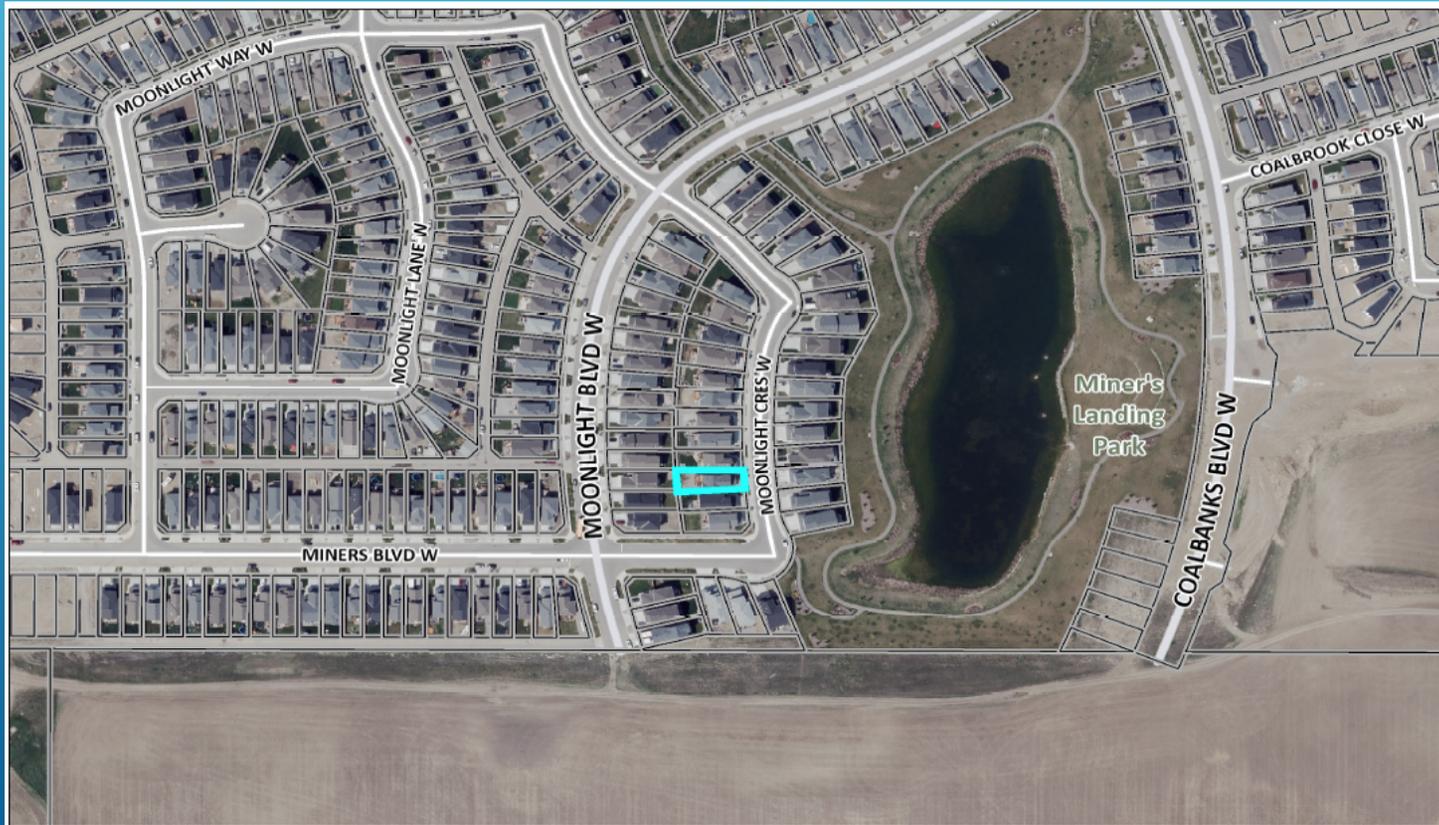
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

US

HOME OCCUPATION – TYPE A DEV12679

768 Moonlight Crescent West

HOME OCCUPATION – TYPE A

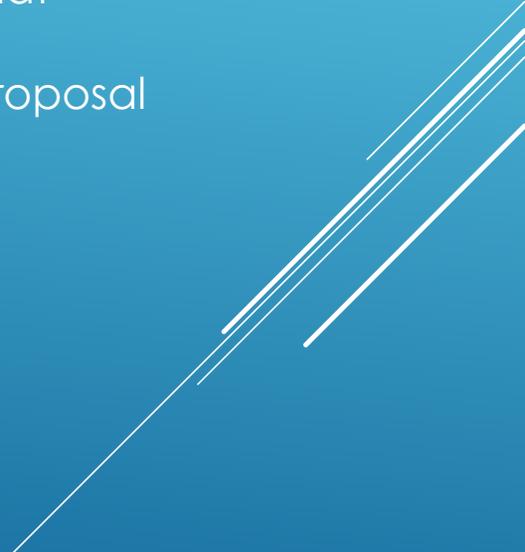


HOME OCCUPATIONS – TYPE A, PERMITTED USE IN THE COMPREHENSIVELY PLANNED LOW DENSITY RESIDENTIAL DISTRICT

Land Use Bylaw, Performance Standards:

- ▶ The applicants information adhered to all but one of the Performance standards for Home Occupations.
- ▶ The proposal was denied for not complying with Land Use Bylaw 6300 Section 53 (1)(h), which states that all home occupations shall have "no offensive impacts on the Household or neighbouring Households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards."

HOME OCCUPATIONS – TYPE A, PERMITTED USE IN THE LOW DENSITY RESIDENTIAL DISTRICT

- The refusal hinged on The Development Officer's determination that both the materials provided by the applicant, and the comments received from Internal City of Lethbridge Departments, that the proposal would have an offensive impact on the Household.
- 

HAZARDS IDENTIFIED FROM APPLICANT INFORMATION

Product name	WHMIS Class	Controls	Hazard identification
Green Galaxy Cryoprep	D(2) Toxic – Poisonous and infectious materials causing other toxic effects	<ul style="list-style-type: none"> - Handle in accordance with good <i>Industrial</i> hygiene and safety practice - Gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices - Respirators – where risk assessment shows air purifying respirators are appropriate, use a full face respirator 	<ul style="list-style-type: none"> - Eye irritant - Skin irritant - Acute hazards to the aquatic environment - Chronic hazards to the environment
Ryonet SVP emulsion	Health Hazard (hazard pictogram, not WHMIS)	<ul style="list-style-type: none"> - Avoid breathing dust/fumes/gas/mist/vapor/spray - wear protective gloves <p>Contaminated clothing must not be allowed out of the workplace.</p> <ul style="list-style-type: none"> - brief exposure use respiratory filter device, longer exposure use respiratory protective device independent of circulating air. 	<ul style="list-style-type: none"> - may cause allergic skin reaction
Comet White Water Based	Health Hazard (hazard pictogram, not WHMIS)	<ul style="list-style-type: none"> - Avoid all unnecessary exposure - Wear protective gloves - Chemical goggles or safety glasses - Wear appropriate mask - Do not eat, drink, smoke during use 	<ul style="list-style-type: none"> - May cause eye irritation - May cause allergic skin reaction - May cause respiratory irritation

HAZARDS IDENTIFIED FROM APPLICANT INFORMATION

Product name	WHMIS Class	Controls	Hazard identification
Pitch Black Water Based	Health Hazard (hazard pictogram, not WHMIS)	<ul style="list-style-type: none"> - Avoid all unnecessary exposure - Wear protective gloves - Chemical goggles or safety glasses - Wear appropriate mask - Do not eat, drink, smoke during use 	<ul style="list-style-type: none"> - May cause eye irritation - May cause allergic skin reaction May cause respiratory irritation
Mars Red Water Based	Health Hazard (hazard pictogram, not WHMIS)	<ul style="list-style-type: none"> - Avoid all unnecessary exposure - Wear protective gloves - Chemical goggles or safety glasses - Wear appropriate mask Do not eat, drink, smoke during use 	<ul style="list-style-type: none"> - May cause eye irritation - May cause allergic skin reaction - May cause respiratory irritation
Sgreen Emulsion Stripper	Health Hazard (hazard pictogram, not WHMIS)	<ul style="list-style-type: none"> - Wear eye protection - Wear gloves with appropriate penetration times 	<ul style="list-style-type: none"> - Causes skin irritation - Causes serious eye irritation
Sgreen Aqua Wash	Health Hazard (hazard pictogram, not WHMIS)	<ul style="list-style-type: none"> - Wear eye protection - Wear gloves with appropriate penetration times 	<ul style="list-style-type: none"> - Causes serious eye irritation - May cause allergic skin reaction - Combustible liquid

INTERNAL COMMENTS RECEIVED

1. Fire Prevention - No concerns with this application.
2. Water/Wastewater - My main concern is for the proper disposal of the spent chemicals. Section 8 of the sewer bylaw #3250 identifies prohibitions for discharge of wastewater into the sewer system. The proponent needs to ensure compliance with all prohibitions in Section 8. Note any substances (i.e. Mars Red & Sgreen,) with MSDS that state "Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters," or similar precautions.
3. Building Inspections - My concerns are with the chemicals and the protection of the drainage system. I do not believe this should be allowed in a residential setting.

PROPERTY



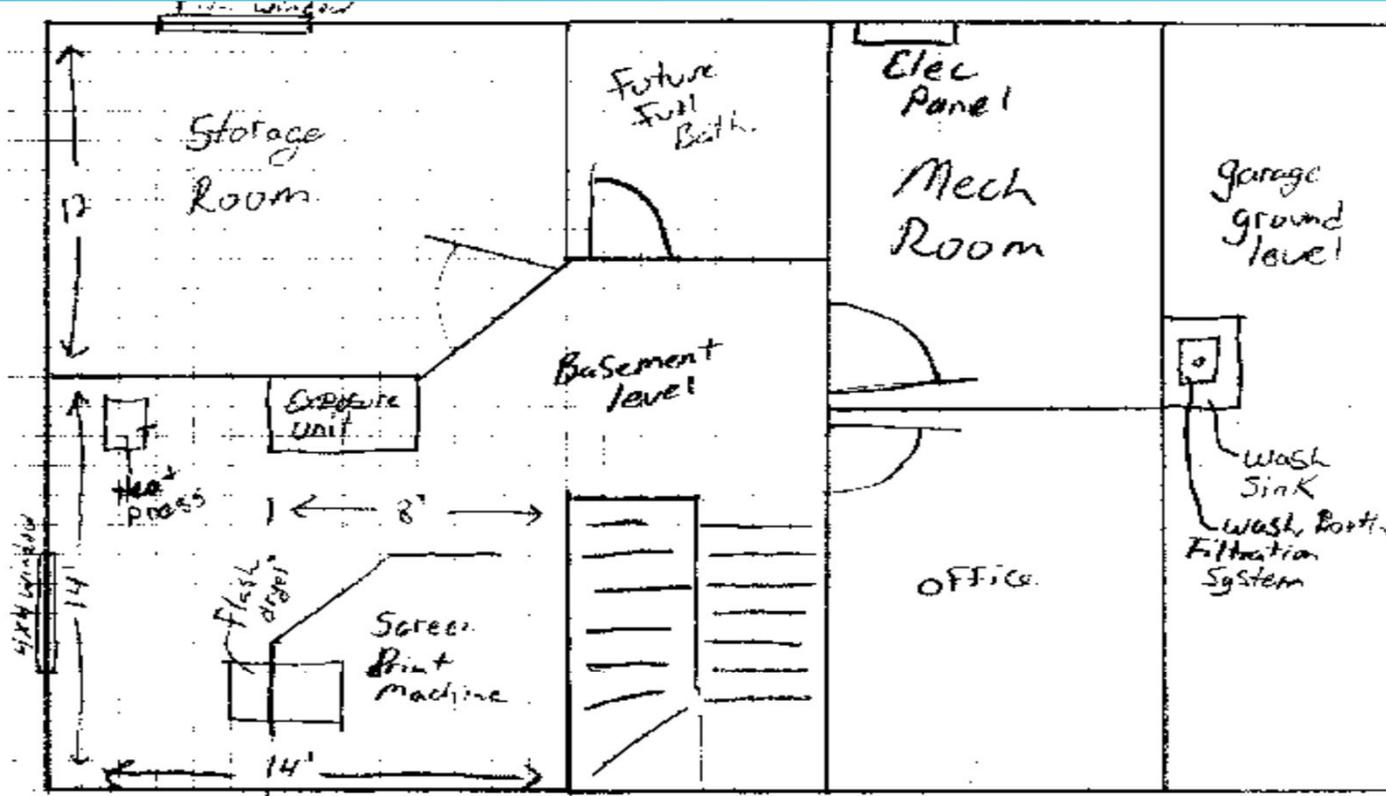
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- Eastern Canada**
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or info@metals.com

CONCLUSION

Based on the information supplied with the development application and the internal comments received, the application for a Type A Home Occupation for the purposes of Silk Screen printing was refused for the following reason(s):

1. as the application does not comply with Land Use Bylaw 6300 section 53 (1)(h), which states that all home occupations shall have "no offensive impacts on the Household or neighbouring Households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards."

To the board of appeal

I have attached only a few samples of products that are everyday use products for general public and other products that are also used by other home type business That then make them fall under that category that we are being placed in. These products range from Massage therapy, Food preparation, Lawn care, Eye lash extensions, Manicure, Hairdressers.

I am only showing these for reference to other products so you can have something else to compare the products we are using and that the development officer is stating will have offensive impacts on the Household or neighbouring Households

1. as the application does not comply with Land Use Bylaw 6300 section 53 (1)(h), which states that all home occupations shall have "no offensive impacts on the Household or neighbouring Households, including but not limited to noise, dust, odour, fumes, excessive light or fire hazards."

2. Water/Wastewater - My main concern is for the proper disposal of the spent chemicals. Section 8 of the sewer bylaw #3250 identifies prohibitions for discharge of wastewater into the sewer system. The proponent needs to ensure compliance with all prohibitions in Section 8. Note any substances (i.e. Mars Red & Sgreen,) with MSDS that state "Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters," or similar precautions.

The above I do not understand for with the filtration system we will be installing. This will keep my own drains clean and second the difference of this being done downtown or over in the industrial area it is all the same city sewer, and they do not have any presented restrictions on other screen printers within the city that use this sewer system. This would also be no different then someone who paints houses cleaning there brushes, rollers and pales in the sick at home and washing it down the drain without the filtration system I have presented.

Thank you,

Kevin Sutherland

768 moonlight Cr west



KITCHEN & BATH ULTRA LOW VOC WB SEMI GLOSS WHITE BASE

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 02/07/2018

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
 Product name : KITCHEN & BATH ULTRA LOW VOC WB SEMI GLOSS WHITE BASE
 Product code : 03650
 Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended use : Coatings and paints

1.3. Supplier

Cloverdale Paint Inc.
 400- 2630 Croydon Drive
 V3Z 6T3 SURREY - CANADA
 T 1-(604)-596-6261
www.cloverdalepaint.com

1.4. Emergency telephone number

Emergency number : 613-996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Carcinogenicity, H351
 Category 2

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) : Warning

Hazard statements (GHS-CA) : H351 - Suspected of causing cancer.

Precautionary statements (GHS-CA) : P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P280 - Wear eye protection, face protection, protective gloves, protective clothing.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
TITANIUM DIOXIDE	C.I. 77891 / C.I. Pigment White 6 / Titanium oxide (TiO ₂) / CI 77891 / Titanium(IV) oxide / C.I. Pigment White 7 / Pigment White 6 / Titanium dioxide nanoparticles / TITANIUM DIOXIDE / Titanium oxide	(CAS-No.) 13463-67-7	18.3	Carc. 2, H351

KITCHEN & BATH ULTRA LOW VOC WB SEMI GLOSS WHITE BASE**Safety Data Sheet**

according to the Hazardous Products Regulation (February 11, 2015)

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures**4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
 First-aid measures after skin contact : Wash skin with plenty of water.
 First-aid measures after eye contact : Rinse eyes with water as a precaution.
 First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
 First-aid measures general : IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures**5.1. Suitable extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

No additional information available

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
 Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
 Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

TITANIUM DIOXIDE (13463-67-7)		
USA - ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust)
Canada (Quebec)	VEMP (mg/m ³)	10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust)
Alberta	OEL TWA (mg/m ³)	10 mg/m ³
British Columbia	OEL TWA (mg/m ³)	10 mg/m ³ (total dust)
Manitoba	OEL TWA (mg/m ³)	10 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	10 mg/m ³

KITCHEN & BATH ULTRA LOW VOC WB SEMI GLOSS WHITE BASE**Safety Data Sheet**

according to the Hazardous Products Regulation (February 11, 2015)

TITANIUM DIOXIDE (13463-67-7)		
New Foundland & Labrador	OEL TWA (mg/m ³)	10 mg/m ³
Nova Scotia	OEL TWA (mg/m ³)	10 mg/m ³
Nunavut	OEL STEL (mg/m ³)	20 mg/m ³
Nunavut	OEL TWA (mg/m ³)	10 mg/m ³
Northwest Territories	OEL STEL (mg/m ³)	20 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	10 mg/m ³
Ontario	OEL TWA (mg/m ³)	10 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	10 mg/m ³
Saskatchewan	OEL STEL (mg/m ³)	20 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	10 mg/m ³
Yukon	OEL STEL (mg/m ³)	20 mg/m ³
Yukon	OEL TWA (mg/m ³)	30 mppcf

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment**Hand protection:**

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Liquid.
Colour	: white
Odour	: odourless
Odour threshold	: No data available
pH	: 8.5 - 9.5
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: ≈ 0 °C
Boiling point	: ≈ 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Specific gravity	: 1.2
Density	: 10.1 lb/gal
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available

KITCHEN & BATH ULTRA LOW VOC WB SEMI GLOSS WHITE BASE**Safety Data Sheet**

according to the Hazardous Products Regulation (February 11, 2015)

9.2. Other information

VOC content : < 2 g/l

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
 Chemical stability : Stable under normal conditions.
 Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
 Conditions to avoid : None under recommended storage and handling conditions (see section 7).
 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity (oral) : Not classified
 Acute toxicity (dermal) : Not classified
 Acute toxicity (inhalation) : Not classified

TITANIUM DIOXIDE (13463-67-7)

LD50 oral rat	> 10000 mg/kg
---------------	---------------

Skin corrosion/irritation : Not classified
 pH: 8.5 - 9.5
 Serious eye damage/irritation : Not classified
 pH: 8.5 - 9.5
 Respiratory or skin sensitization : Not classified
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Suspected of causing cancer.
 Reproductive toxicity : Not classified
 STOT-single exposure : Not classified
 STOT-repeated exposure : Not classified
 Aspiration hazard : Not classified

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
 Acute aquatic toxicity : Not classified
 Chronic aquatic toxicity : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations**13.1. Disposal methods**

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

KITCHEN & BATH ULTRA LOW VOC WB SEMI GLOSS WHITE BASE**Safety Data Sheet**

according to the Hazardous Products Regulation (February 11, 2015)

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT**Department of Transport**

Not regulated for transport

14.3. Air and sea transport**IMDG**

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information**15.1. National regulations****TITANIUM DIOXIDE (13463-67-7)**

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations**TITANIUM DIOXIDE (13463-67-7)**

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Japanese ISHL (Industrial Safety and Health Law)
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory
 Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

Date of issue : 02/07/2018

Full text of H-statements:

H351 Suspected of causing cancer.

SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



MATERIAL SAFETY DATA SHEET Finished Product.

SECTION 1 - CHEMICAL SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION

- **Finished Product Name:** Cover Girl Continuous Color Nail Polish
Clear Shade (95223489)

Sparkle Shades (95364010, 95325286, 95361718, 95325284, 95325283, 95325287, 95325290, 95325289)

Cremes/Shimmers Shades (95223490, 95223491, 95223492, 95523493, 95223494, 95223495, 95223496, 95223497, 95223498, 95223499, 95223500, 95223501, 95223531, 95223532, 95223533, 95223535, 95223536, 95223537, 95223538, 95223540, 95223542, 95223544, 95223545, 95223546, 95223547, 95223548, 95223550, 95223551, 95223552, 95223572, 95223573)

Glitter Shade (95223534)
- **Company Identification:**
 The Procter & Gamble Company
 11050 York Road
 Hunt Valley, Maryland 21030-2098

 Contact Information: Consumer Relations at 1-800-426-8374
- **In case of medical emergencies, please contact your local poison control center.**
- **Transportation emergency (24 hour), contact:**
 CHEMTREC - Phone # 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (for calls originating elsewhere).
- **DATE:** October 2007 Updated: October 2010

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the supplier upon request.

POTENTIAL HEALTH EFFECTS:

- **Eye:** Contact may cause mild, transient irritation. Some redness and/or stinging may occur.
- **Skin:** Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

- **Inhalation:** Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated.
- **Ingestion:** Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SECTION 3 - COMPOSITION AND INGREDIENTS

The complete ingredient list for the finished product(s) is as follows:

Clear Shade: Ethyl Acetate, Butyl Acetate, Nitrocellulose, Tosylamide/Epoxy Resin, Isopropyl Alcohol, Acetyl Tributyl Citrate, Sucrose Benzoate, Benzophenone-3, Trimethylpentanediyl Dibenzoate, Polyvinyl Butyral

Sparkle Shades: Ethyl Acetate, Butyl Acetate, Nitrocellulose, Acetyl Tributyl Citrate, Tosylamide/Epoxy Resin, Isopropyl Alcohol, Styrene/Acrylates Copolymer, Stearalkonium Bentonite, Silica, Benzophenone-1, Trimethylpentanediyl Dibenzoate, Polyvinyl Butyral, Polyacrylate-4, Dimethicone, Trimethylsiloxysilicate

Cremes/Shimmers Shades: Ethyl Acetate, Butyl Acetate, Nitrocellulose, Acetyl Tributyl Citrate, Tosylamide/Epoxy Resin, Isopropyl Alcohol, Styrene/Acrylates Copolymer, Stearalkonium Bentonite, Benzophenone-1, Trimethylpentanediyl Dibenzoate, Polyvinyl Butyral, Dimethicone, Trimethylsiloxysilicate

Glitter Shade: Ethyl Acetate, Butyl Acetate, Nitrocellulose, Acetyl Tributyl Citrate, Tosylamide/Epoxy Resin, Isopropyl Alcohol, Acrylates Copolymer, Polybutylene Terephthalate Ethylene/VA Copolymer, Styrene/Acrylates Copolymer, Stearalkonium Bentonite, Benzophenone-1, Trimethylpentanediyl Dibenzoate, Polyvinyl Butyral, Dimethicone, Trimethylsiloxysilicate

May Contain: Aluminum Powder, Titanium Dioxide, Red 6 Lake, Iron Oxides, Red 7 Lake, Yellow 5 Lake, Red 34 Lake, Ferric Ferrocyanide, Mica, Bismuth Oxochloride, Violet 2, Ultramarines, Manganese Violet, Alumina, Guanine, Carmine, Yellow 10 Lake, Chromium Oxide Greens, Red 17, Yellow 11, Green 6, Ferric Ammonium Ferrocyanide

* Sparkle Shades May Also Contain Calcium Aluminum Borosilicate, Calcium Sodium Borosilicate, Synthetic Fluorphlogopite

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200 and/or WHMIS under the HPA:

Chemical Name	Common Name	CAS No.	Composition Range	LD50/LC50
Ethyl Acetate	Ethyl Acetate	141-78-6	15-40%	LD50 (oral)= 5,620 mg/kg (rat) LC50 = 1,600 ppm/8H (rat)
Butyl Acetate	Butyl Acetate	123-86-4	15-40%	LD50 (oral)= 13,100 mg/kg (rat) LC50 = 2,000 ppm/4H (rat)
Nitrocellulose	Nitrocellulose	9004-70-0	10-30%	LD50 (oral) > 5,000 mg/kg (rat) LC50 = No data available.
2-Propanol	Isopropyl Alcohol	67-63-0	3-7%	LD50 (oral) = 5,045 mg/kg (rat) LC50 = No data available.

SECTION 4 - FIRST AID MEASURES

- **Eye:** Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.
- **Skin Problem:** Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.
- **Inhalation:** If respiratory irritation occurs, remove individual to fresh air.
- **Ingestion:** Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

SECTION 5 - FIRE FIGHTING MEASURES

- **Flash Point & Method:** 70°F (21°C), Closed Cup
- **Extinguishing Media:** Use dry chemical, foam, carbon dioxide, water.
- **Explosion Hazard:** Flammable Liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.
- **Fire Fighting Instructions:** Contact emergency personnel. Flammable material. Explosive mixtures may form with air. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives. Thermal degradation may also produce oxides of silicone.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- **Procedures for Spill/Leak Clean-up:**

For Household Settings: Absorb spills and scrub the area with detergent. Ventilate area and eliminate all ignition sources.

For Non-Household Settings: Ventilate area and eliminate all ignition sources. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact.

SECTION 7 - HANDLING AND STORAGE

- **Precautions for Safe Handling:**

For Household Settings: Do not expose to heat and flame.

For Non-Household Settings: Avoid heat, sparks, flame, or smoking during use. Avoid

extreme heat and ignition sources.

- **Conditions for Safe Storage:**

For Household Settings: Avoid heat, sparks, flame, or smoking. Avoid extreme heat and ignition sources. Store away from oxidizers.

For Non-Household Settings: Store away from oxidizers. Store in a well ventilated, cool area. Store in accordance with local requirements for Class IB Flammable Liquids.

- **Other Recommendations:** None.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

For Household Settings: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

For Non-Household Settings: Use in a well ventilated area. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing. This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

• Color, Odor and Appearance: Pigmented liquid.	• Melting Point: Not applicable.
• Physical State: Liquid.	• Boiling Point: 170°F (76.7°C)
• pH: Not applicable.	• Solubility in Water: Insoluble.
• Flashpoint: 70°F (21°C), Closed Cup	• % VOC: Product complies with State and Federal regulations for VOC requirements.
• Vapor Density: Not applicable.	• Specific Gravity: 0.97-1.01

SECTION 10 - STABILITY AND REACTIVITY

- **Conditions to Avoid:** Avoid extreme heat and ignition sources. Store away from oxidizers.

- **Other Recommendations:** None

SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the supplier upon request.

Chronic Effects: Finished product is not expected to have chronic health effects.

Target Organs: No adverse health effects on target organs expected for finished product.

Carcinogenicity: Finished product is not expected to be carcinogenic.

NTP: No **IARC:** No **OSHA:** No

SECTION 12 - ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be in accordance with Federal, State/Provincial and Local regulations.

For Household Settings: The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution. Keep product closed to avoid volatilization.

For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

California Waste Code: 331

SECTION 14 - TRANSPORT INFORMATION

For finished packaged product transported by ground (DOT): UN 1266, Perfumery Products, Class 3, PG II, 21C (c.c.), LTD. QTY. (may be shipped as a Consumer Commodity ORM-D through 12/31/2013)

For finished packaged product transported by sea (IMDG): UN 1266, Perfumery Products, Class 3, PG II, 21C (c.c.), LTD. QTY.

For finished packaged product transported by air (IATA): UN 1266, Perfumery Products, Class 3, PG II, 21C (c.c.), LTD. QTY.

SECTION 15 - ADDITIONAL REGULATORY INFORMATION

EU DPD (Dangerous Products Directive) Classification (DPD 88/379/EEC).

Regulated as a Cosmetic and/or Drug by the FDA (U.S.), HPB (Canada), Cosmetics Directive (EU), MHW (Japan) and China (MOH).

While this finished product is not considered hazardous as defined by OSHA in 29 CFR 1900.1200 (d), this MSDS contains valuable information critical to the safe handling and proper use of the product.

US Federal

The products described in this Material Safety Data Sheet are regulated under the Federal Food, Drug and Cosmetics Act and are safe to use as per directions on container, box or accompanying literature (where applicable).

CERCLA reportable quantity (RQ):

Ingredient	CAS #	Level	RQ
Ethyl Acetate	141-78-6	15-40%	5000 lbs.
Butyl Acetate	123-86-4	15-40%	5000 lbs.
RCRA Hazardous Waste No. D001/Unlisted Hazardous Waste Characteristic of Ignitability	9004-70-0	10-30%	100 lbs.

(Nitrocellulose)			
RCRA Hazardous Waste No. D001/Unlisted Hazardous Waste Characteristic of Ignitability (Isopropyl Alcohol)	67-63-0	3-7%	100 lbs.
Aluminum (Alumina)	1333-84-2	0-1.5%	None.
Manganese Compounds (Manganese Violet)	10101-66-3	0-1.5%	None.
Cyanide Compounds (Ferric Ferrocyanide)	14038-43-8	<0.5%	None.
Chromium Compounds (Chromium Oxide Greens)	1308-38-9	<0.5%	None.

SARA 313/302/304/311/312 chemicals:

Ingredient	CAS #	Level	313	302	304	311	312
Isopropyl Alcohol	67-63-0	3-7%	Yes	No	No	No	No
Aluminum Oxide (Alumina)	1333-84-2	0-1.5%	Yes	No	No	No	No
Aluminum (Aluminum Powder)	7429-90-5	<0.5%	Yes	No	No	No	No
Manganese Compounds (Manganese Violet)	10101-66-3	0-1.5%	Yes	No	No	No	No
Cyanide Compounds (Ferric Ferrocyanide)	14038-43-8	<0.5%	Yes	No	No	No	No
Chromium Compounds (Chromium Oxide Greens)	1308-38-9	<0.5%	Yes	No	No	No	No

Canada

All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the CPR.

US States

CA Prop 65:

This product is not subject to warning labeling under California Proposition 65.

State Right-to-Know:

The following ingredients are present in the finished product and are listed on the following state right-to-know lists:

Ingredient	CAS #	Level	State				
Ethyl Acetate	141-78-6	15-40%	IL	MA	NJ	PA	RI
Butyl Acetate	123-86-4	15-40%	IL	MA	NJ	PA	RI
Nitrocellulose	9004-70-0	10-30%	IL	MA	NJ	PA	RI
Isopropyl Alcohol	67-63-0	3-7%	IL	MA	NJ	PA	RI
Calcium Aluminum Borosilicate	65997-17-3	0-5%	IL	MA	NJ	PA	RI
Synthetic Flurphlogopite	12003-38-2	0-5%	IL		NJ	PA	RI
Silica	7631-86-9/ 60676-86-0/ 112945-52-5	0-5%		MA	NJ	PA	RI
Titanium Dioxide	13463-67-4	0-5%	IL	MA	NJ	PA	RI
Iron Oxides	1309-37-1	0-5%	IL	MA	NJ	PA	RI
Mica	12001-26-2	0-5%	IL	MA	NJ	PA	RI

Alumina	1333-84-2/ 1344-28-1	0-1.5%	IL	MA	NJ	PA	RI
Aluminum Powder	7429-90-5	<0.5%	IL	MA	NJ	PA	RI
Manganese Violet	10101-66-3	0-1.5%	IL		NJ		RI
Ferric Ferrocyanide	14038-43-8	<0.5%	IL	MA	NJ	PA	RI
Chromium Oxide Greens	1308-38-9	<0.5%	IL	MA	NJ	PA	RI

Other

None.

SECTION 16 - OTHER INFORMATION

DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name:	Gigi Brazilian Bikini Wax Microwave Formula	DATE:	6/4/2007
Formula:	30-4063	REV.	NEW
Item#:	0912, 87-1862		

Manufacturer: American International Industries
 2220 Gaspar Ave
 Los Angeles, CA 90040

Chem-Tel: (800) 255-3924

Section 2. Composition / Information on Ingredients

Hazardous Ingredients:

Component	CAS #	%	TOXICOLOGICAL DATA
No Hazardous Ingredients			

Section 3. Hazardous Identification

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Eyes or skin (No absorption).

Solid product: Acute and chronic health effects are not expected as long as good hygiene and safety precautions are followed.

Extremely hot or molten product:

Eye: Contact with extremely hot product will cause burns to the eyes.

Skin: Contact with extremely hot product may result in severe burns.

Ingestion: If swallowed in large quantities this material can obstruct the intestine.

Inhalation: No significant adverse effects are anticipated.

Section 4. First Aid Measures

First Aid for Eye: Flush with water for 15 minutes, including under eyelids. Seek medical attention if discomfort persists.

First Aid for Skin: For hot molten product cool skin with water or cold packs for at least 15 minutes. Do not put ice directly on the skin. Get medical help if discomfort persists.

First Aid for Inhalation: Remove to fresh air. Seek medical attention if discomfort persists.

MATERIAL SAFETY DATA SHEET

First Aid for Ingestion: Rinse mouth out with water. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. Seek prompt medical attention.

Section 5. Fire Fighting Measures

Flash Point (°F/°C): Not applicable

Flammable Limit (vol%): Not applicable

Auto-ignition Temp. (vol%): None Established

Extinguisher Media: Carbon Dioxide, Foam, Water Fog and dry chemical

Fire Fighting Instructions: Wear protective clothing to prevent contact with skin and eyes. Do not release runoff from fire control methods to sewers or waterways.

Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

Section 6. Accidental Release Measures

Spill or Release Procedures: No special precautions necessary. Sweep up to avoid slipping hazard. If molten, allow to cool and scrape up.

Section 7. Handling and Storage

Handling: Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking. Avoid contamination. Use only with adequate ventilation.

Storage: Store in a cool, dry place away from heat, sparks, flame and direct sunlight. Store away from combustibles and incompatible materials.

Section 8. Exposure Controls / Personal Protective Equipment

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep airborne concentrations of mists and/or vapors below the recommended exposure limits. An eye wash station and safety shower should be located near the work-station.

Personal Protective Equipment

Hand Protection: When handling product at elevated temperatures, use heat-resistant gloves. With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

MATERIAL SAFETY DATA SHEET

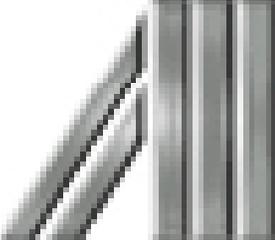
Eye Protection:	Use a full-face shield and safety glasses if handling heated material. With product at ambient temperatures, use safety glasses equipped with side shields.
Body Protection:	Prevent skin contact when handling heated material. Use insulated, heat-resistant clothing such as apron or slicker suit.
Respiratory Protection:	The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH approved organic vapor respirator equipped with a dust/mist prefilter should be use.
General Hygienic Practices:	Avoid breathing dust, vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9. Physical and Chemical Properties

Appearance (100°C):	Clear Viscous Green Liquid	Decomposition Temperature:	Not applicable
Odor:	Characteristic	Vapor Pressure:	Not applicable
pH	Not applicable	Vapor Density:	Not applicable
Specific Gravity:	Not applicable	Evaporation Rate:	Not applicable
Ignition:	Not applicable	Viscosity @ 100°C:	370 - 470
% Volatile	Not applicable		
Boiling Point / Freezing Point	Not applicable		
Solubility	Insoluble		

Section 10. Stability and Reactivity

Stability:	Stable
Hazardous Decomposition Products:	None.
Incompatibility (Materials to Avoid):	None.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Heat and open flames



MATERIAL SAFETY DATA SHEET

Section 11. Toxicological Information

Acute Oral Toxicity: No data available

Acute Toxicity to Invertebrates:
No data available

Acute Toxicity to Algae:
No data available

Irritation - Skin: No data available

Irritation - Eye: No data available

Sensitization: No data available

Mutagenicity: None

Sub-chronic Toxicity: None

Section 12. Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish:
No data available

Acute Toxicity to Invertebrates:
No data available

Acute Toxicity to Algae
No data available

Bioconcentration: No data available

Toxicity to Sewage Bacteria:
No data available

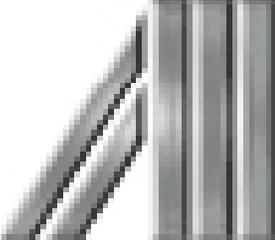
Chemical Fate Information

Biodegradability: No data available

Chemical Oxygen Demand:
No data available

Section 13. Disposable Considerations

May be disposed of in a landfill or incinerated. Follow Federal, State and Local regulations for disposal.



MATERIAL SAFETY DATA SHEET

Section 14. Transportation Information

DOT (49CFR 172)

Proper Shipping Name: Non-Regulated Material

Identification Number: N/A

Marine Pollutant: No

Special Provisions: N/A

Emergency Response Guidebook (ERG)#: N/A

IATA (DGR):

Proper Shipping Name: Non-Regulated Material

Class or Division: N/A

UN or ID Number: N/A

Packaging Instructions:

Emergency Response Guidance (ICAO)#:

IMO (IMDG):

Proper Shipping Name: Non-Regulated Material

Class or Division: N/A

UN or ID Number: N/A

Special Provisions & Stowage/Segregation: None

Emergency Schedule (EmS)#:

Section 15. Regulatory Information

Regulatory information available upon request.

Section 16. Other Information

No additional information available.

ADVANTAGE PRODUCTS U.S.A.

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Advantage™ Brazilian Keratin Treatment w/Argan Oil

Principal Use: Hair Relaxer/Conditioner

Physical Form: Liquid

Color: Light Yellow

Odor: Fragranced.

NFPA Profile: Health: 1, Flammability : 3

Advantage Products USA

Miami, Fl 33186

www.advantageproductsusa.com

Only in the event of a transportation emergency involving spills, leaks, fires or accidents, call CHEMTREC at 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME :(#)	CAS NUMBER	% w/w (*)
WATER	N/A	A
HYDROLYZED KERATIN	69430-36-0	E
PROPYLENE GLYCOL	57-55-6	E
AMODIMETHICONE	N/A	E
CETRIMONIUM CHLORIDE	112-02-7	F
CYCLOPENTASILOXANE	541-02-6	E
FORMALDEHYDE	50-00-0	F
DIMETHICONE	9006-65-9	F
CETEARYL ALCOHOL	8005-44-5	F
CETEARETH-20	68439-49-6	F
HYDROLYZED COLLAGEN	73049-73-7	F
FRAGRANCE	N/A	F

(#) CTFA DICTIONARY

(*) FDA-CODE (A= >50%, B= 25-50%, C= 10-25%, D= 5-10%, E= 1-5%, F=0.1-1%, G=<0.1%)

3.- Hazards Identification

Acute Effects

Eye: Direct contact may cause irritation
 Skin: May cause slight Irritation and staining if prolonged.
 Inhalation: Irritates respiratory track.
 Oral: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential Effects

Prolonged/Repeated Exposure Effects

Skin: Not known at this time. May cause staining
 Inhalation: No known at this time. Possible sensitization to vapors.
 Oral: No known at this time.

Signs and Symptoms of Overexposure

No known at this time

Medical Conditions Aggravated by Exposure

Product contains formaldehyde which is known to irritate skin and eyes when direct contact and prolonged exposition occurs.

4.- First Aid Measures

First Aid Eyes:

Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 min. Have eyes examined and treated by medical personnel.

First Aid – Skin

Wash material off skin with plenty of water. If redness, itching or a burning sensation occurs, get medical attention

First Aid – Ingestion

Do not induce Vomiting. Give 1 or 2 glasses of water to drink to the affected person and refer to medical personnel.

First Aid – Inhalation

N/A.

5.- Fire Fighting Measures

Flash Point and Method

Will not flash.

Auto ignition Temperature

Not applicable

Explosive Limits

Not applicable

General Hazards

Material is considered to be Not flammable. In case of fire keep container cool with water.

Extinguishing Media

Water, CO2, Dry Chemical Foam.

Fire Fighting Equipment Self Contained breathing apparatus with full face piece and protective clothing.	
6.-Containment and Cleanup Store in cool Ventilated Space. Use only dry cloth to clean up. Do not use vacuum system. Do not flush with water or allow product to enter water systems. Product may be harmful to fish and wild life	FOR SALON USE ONLY
7.-HANDLING and STORAGE This product is not to be used by untrained persons. Seal container after every use. Use with adequate ventilation. Use protective gloves and breathing mask when working with the product. Do not apply directly into the scalp. Decomposition of product at high temperatures release aldehydes vapors which may cause irritation to the nose, throat and eyes	FOR PROFESIONAL USE ONLY
8.-EXPOSURE CONTROLS/PERSONNEL PROTECTION Component Exposure Limits: As per component composition. All components are below allowable exposure limits under normal daily use by a trained professional. Note: FORMALDEHYDE: Workplace exposure to formaldehyde is regulated by OSHA 1910.1048(CFR Title 29). This regulation requires labeling if handling, processing, and use of releasing enough formaldehyde to result in airborne concentrations above 0.5 ppm. Engineering Controls: Always provide effective general and, when necessary, local exhaust ventilation to draw fumes, vapors and/or dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. Use respirator in accordance with manufacturer's use limitation and OSHA standard 1910.134(29CFR). Eye/Face Protection: Safety glasses or goggles required. Skin Protection: Wear Protective Gloves. Respiratory Protection: Wear an approved respirator(e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134. (29 CFR)	This product contains formaldehyde, which has an OSHA PEL TWA of 0.75 ppm and ACGIH TLV TWA of 0.3 ppm.
9.-PHYSICAL AND CHEMICAL PROPERTIES	APPEARANCE Off White Viscous Liquid. ODOUR Fragranced

	<p>SOLUBILITY Soluble in Water</p>
<p>10.- STABILITY AND REACTIVITY.</p>	<p>STABILITY Stable under normal temperature conditions and recommended use.</p> <p>REACTIVITY Product may release vapors when submitted to high temperatures.</p>
<p>11.- TOXICOLOGICAL INFORMATION</p>	<p>INGESTION May Cause discomfort if swallowed. May cause stomach pain or vomiting.</p> <p>EYE CONTACT May Cause temporary eye irritation</p>
<p>12.- ECOLOGICAL INFORMATION</p>	<p>ECOTOXICITY The product is not expected to be hazardous to the environment.</p>
<p>13.- DISPOSAL CONSIDERATIONS</p>	<p>Dispose of waste and residues in accordance with local authority requirements.</p>
<p>14.-TRANSPORT INFORMATION</p>	<p>This product is not covered by International Regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).</p>
<p>15.-REGULATORY INFORMATION</p>	<p>National Regulations Cosmetic Products (Safety) Regulations</p>
<p>16.-OTHER INFORMATION</p>	<p>REVISION DATE: 05-2010 These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believe to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.</p>

THE LASH

PROFESSIONAL

MSDS | MATERIAL SAFETY DATA SHEET

ADHESIVE/GLUE PRIMER

PRODUCT AND COMPANY

PRODUCT NAME: PRIMER

COMPANY: THE LASH PROFESSIONAL

ADDRESS: 7343 E SCOTTSDALE MALL #3000 SCOTTSDALE, AZ 85251

PHONE: 480-588-5160

HAZARDS IDENTIFICATION

A) HAZARD-RISK CLASSIFICATION:

SKIN CORROSION/IRRITATION : CATEGORY 2

EYE CORROSION/IRRITATION : CATEGORY 2

B) LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

○SYMBOL

○SIGNAL WORD : WARNING

○HAZARD RISK STATEMENT

H315: CAUSES SKIN IRRITATION

H319: CAUSES SERIOUS EYE IRRITATION

H413 MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE

○PRECAUTIONARY STATEMENT

-PREVENTION PRECAUTIONARY STATEMENTS

P264 WASH ... THOROUGHLY AFTER HANDLING

P273 AVOID RELEASE TO THE ENVIRONMENT

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

-RESPONSE PRECAUTIONARY STATEMENTS

P302+P352 IF ON SKIN: WASH WITH SOAP AND WATER

P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE

CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING

P321 SPECIFIC TREATMENT (SEE ... ON THIS LABEL)

P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

P337+P313 IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION

P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

-STORAGE PRECAUTIONARY STATEMENTS

NOT APPLICABLE, NOT AVAILABLE

-DISPOSAL PRECAUTIONARY STATEMENTS

P501 DISPOSE OF CONTENTS/CONTAINER TO ...

C) OTHER HAZARDS THAT DO NOT LIST UNDER THE CATEGORY : NO DATA AVAILABLE.

B) SPECIFIC HAZARDS ARISING FROM THE CHEMICAL : NOT APPLICABLE
IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:

WATER, CAS NO. 7732-18-5, CONTENT 22%

ETHYL ALCOHOL. CAS NO. 64-17-5, CONTENT 62%

PVP (POLYVINYLPYRROLIDONE), CAS NO. 9003-39-8, CONTENT 9%

DIETHYL KETONE, CAS NO. 96-22-0, CONTENT 7%

FIRST AID MEASURES

- A) EYE CONTACT
WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER
GET MEDICAL ATTENTION IMMEDIATELY
- B) SKIN CONTACT
WASH WITH MILD SOAP AND WATER . IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
IF CLOTHING IS CONTAMINATED, REMOVE AND WASH BEFORE USE.
- C) INHALATION
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION
IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN
- D) INGESTION
IF CONSCIOUS, GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION.
IF UNCONSCIOUS, DO NOT GIVE ANYTHING TO DRINK. GET IMMEDIATE MEDICAL ATTENTION.
- E) INDICATION OF IMMEDIATE MEDICAL ATTENTION AND NOTES FOR PHYSICIAN

FIRE-FIGHTING MEASURES

A) SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

: WATER, WATER SPRAY, FOAM,CARBON DIOXIDE(CO2), DRY POWDER.

B) SPECIFIC HAZARDS ARISING FROM THE CHEMICAL : NOT APPLICABLE

C) SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS : NOT APPLICABLE

ACCIDENTAL RELEASE MEASURES

A) PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

STOP LEAK IF WITHOUT RISK

- B) ENVIRONMENTAL PRECAUTIONS AND PROTECTIVE PROCEDURES
DO NOT ALLOW PRODUCT TO ENTER DRAINS. PREVENT FURTHER SPILLAGE IF SAFE.
- C) METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP
DILUTE WITH WATER AND MOP UP IF WATER-SOLUBLE OR ABSORB WITH AN INERT DRY MATERIAL

HANDLING AND STORAGE

A) PRECAUTIONS FOR SAFE HANDLING

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

B) CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

KEEP OUT OF THE REACH OF CHILDREN.

EXPOSURE CONTROLS / PERSONAL PROTECTION

A) CONTROL PARAMETERS (E.G. OCCUPATIONAL EXPOSURE LIMIT VALUES, BIOLOGICAL LIMIT VALUES)

: NO EXPOSURE LIMIT VALUE KNOWN

B) APPROPRIATE ENGINEERING CONTROLS : NOT APPLICABLE

C) PERSONAL PROTECTIVE EQUIPMENT : NOT APPLICABLE

PHYSICAL AND CHEMICAL PROPERTIES

A) APPEARANCE (PHYSICAL STATE, COLOR ETC) : FORM - LIQUID, COLOR - COLORLESS~LIGHT YELLOW

B) ODOUR : MILD ODOUR

C) ODOUR THRESHOLD : NO DATA AVAILABLE

D) PH : NO DATA AVAILABLE.

E) MELTING POINT/FREEZING POINT : NO DATA AVAILABLE

F) INITIAL BOILING POINT AND BOILING RANGE : NO DATA AVAILABLE.

G) FLASHING POINT : NO DATA AVAILABLE.

H) EVAPORATION RATE : NOT APPLICABLE

I) FLAMMABILITY (SOLID, GAS) : NON-COMBUSTIBLE

J) UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS : NO DATA AVAILABLE.

K) VAPOR PRESSURE : NO DATA AVAILABLE.

L) SOLUBILITY : WATER SOLUBLE

M) VAPOR DENSITY : NO DATA AVAILABLE

N) DENSITY : NO DATA AVAILABLE

O) PARTITION COEFFICIENT: N-OCTANOL/WATER : NO DATA AVAILABLE

P) AUTO-IGNITION TEMPERATURE : NO DATA AVAILABLE

Q) DECOMPOSITION TEMPERATURE : NO DATA AVAILABLE

R) VISCOSITY : NO DATA AVAILABLE

SJ FORMULA MASS : NO DATA AVAILABLE

STABILITY AND REACTIVITY

AJ CHEMICAL STABILITY AND POSSIBILITY OF HAZARDOUS REACTIONS

- STABLE UNDER RECOMMENDED STORAGE CONDITIONS

BJ HAZARDOUS POLYMERIZATION

-UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CJ INCOMPATIBLE MATERIALS

- REACTIVE OR INCOMPATIBLE WITH THE FOLLOWING MATERIALS: OXIDIZING MATERIALS, STRONG ALKALINE

DJ HAZARDOUS DECOMPOSITION PRODUCTS :

- CARBON OXIDES (CO, CO2, ETC)

TOXICOLOGICAL INFORMATION

GENERAL TOXICOLOGICAL INFORMATION : NO DATA AVAILABLE

ACUTE TOXICITY - ORAL : NO DATA AVAILABLE

- DERMAL : NO DATA AVAILABLE

- INHALATION : NO DATA AVAILABLE

IRRITATION

- SKIN : MAY CAUSE IRRITATION TO EYES AND SKIN

- EYE DAMAGE/EYE IRRITATION : MAY CAUSE IRRITATION TO EYES AND SKIN

RESPIRATORY SENSITIZATION : NO DATA AVAILABLE

SKIN SENSITIZATION : NO DATA AVAILABLE

CARCINOGENICITY : NO DATA AVAILABLE

GERM CELL MUTAGENICITY : NO DATA AVAILABLE

REPRODUCTIVE TOXICITY : NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) : NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): NO DATA AVAILABLE

ASPIRATION HAZARD : NO DATA AVAILABLE

ECOLOGICAL INFORMATION

AJ AQUATIC AND TERRESTRIAL ECOTOXICITY : NO DATA AVAILABLE

B) PERSISTENCE AND DEGRADABILITY : NO DATA AVAILABLE

C) BIOACCUMULATIVE POTENTIAL : NO DATA AVAILABLE

D) MOBILITY IN SOIL : NO DATA AVAILABLE

E) OTHER ADVERSE EFFECTS : NO DATA AVAILABLE

DISPOSAL CONSIDERATIONS

A) WASTE TREATMENT METHODS : NOT APPLICABLE

TRANSPORT INFORMATION

A) UN NUMBER : NOT REGULATED

B) UN PROPER SHIPPING NAME : NOT REGULATED

C) TRANSPORT HAZARD CLASS : NOT REGULATED

D) PACKING GROUP (IF APPLICABLE) : NOT REGULATED

REGULATORY INFORMATION

THIS PRODUCT IS NOT A HAZARDOUS ARTICLE AND NEED NOT TO BE LABELLED ACCORDING TO EC-DIRECTIVES AS AMENDED.

INVENTORY STATUS:

TSCA(USA) : COMPLIES WITH ALL APPLICABLE RULES OR ORDERS UNDER TSCA

DSL(CANADA) : ALL COMPONENTS LISTED ON INVENTORY

ALCS(AUSTRALIA) : ALL COMPONENTS LISTED ON INVENTORY.

ECL(KOREA) : ALL COMPONENTS LISTED ON INVENTORY

OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. THE INFORMATION THIS DOCUMENT IS BASED ON THE RESENT STATE OF OUR KNOWLEDGE AND IS APPLICABLE TO THE PRODUCT WITH REGARD TO APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT ANY GUARANTEE OF THE PROPERTIES OF THE PRODUCT. THE LASH PROFESSIONAL SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.



Safety Data Sheet

Revision Date: 8/29/2017

Section 1: Product and Company Identification

Product Name: Bon Vital – Original Massage Lotion
Chemical Family: Mixture

Recommended Use: Massage Therapy
Restrictions on Use: No Data

Company: Hygenic Corporation
1245 Home Avenue
Akron, OH 44310

Telephone: (330) 633-8460 (Only available during normal business hours.)

Emergency Telephone:	(800) 321-2135
CHEMTREC (Transportation):	(800) 424-9300
U.S. Coast Guard National Response Center:	(800) 424-8802

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and use of the product. This SDS should be retained and available for employees and other users of the product.

Section 2: Hazards Identification

Emergency Overview:

NFPA: Health = 1, Flammability = 0, Reactivity = 0

GHS Classification:

Acute Toxicity – Oral Category 5
Eye Irritation – Category 2B

GHS Label Elements:

Pictograms:



Signal Word: Warning

Hazard Statements:

May be harmful if swallowed

May Cause Eye Irritation

Precautionary Statements:

Call a poison center/doctor if you feel unwell

Wash hands thoroughly after handling

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Classification According to Directive 1999/45/EC: N/A

European Economic Community Information: This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

EU Classification: N/A

EU Risk Phrases: N/A

EU Safety Phrases: N/A

EU Symbols: N/A

None

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Percentage
Octyly Palmitate	29806-73-7	15 - 20%
Sunflower Oil	8001-21-6	3 - 6%
Polyoxyethylene Stearic Alcohol	9005-00-9	1 - 5%
Soybean Oil	8001-22-7	1 - 4%
Ethoxylated Mono-diglycerides	68553-11-7	1 - 3%
Olive Oil	8001-25-0	1 - 3%
Polysorbate 80	9005-65-6	1 - 2%
Isopropyl Palmitate	142-91-6	0 - 1%

Section 4: First Aid Measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if irritation continues.

Skin Contact: remove contaminated clothing and wash affected areas with copious amounts of water for 15 minutes. Contact physician if irritation continues.

Eye Contact: Flush eyes with copious amounts of water. Contact physician if irritation continues.

Ingestion: Do NOT induce vomiting. Give copious amounts of water. Contact poison control or physician if irritation continues.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: Foam, carbon dioxide, dry chemical.

Specific Hazards in Case of Fire: None known. No known hazardous decomposition products.

Special Protective Equipment for Fire-Fighters: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Personal Precautions: Contain spilled materials; avoid open flames or inhalation of vapors. Ventilate spill areas.

Environmental Precautions: Do not flush into surface water or sanitary sewer system.

Methods for Containment/Cleaning Up: Contain spill and collect with inert, non combustible absorbent material. Disposal of spilled material and spill debris should be in accordance with all applicable local, state and federal regulations.

Section 7: Handling and Storage

Handling: Wash hands after handling. Minimize exposure to vapors.

Storage: Store in cool well-ventilated place. Keep cool. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

Section 8: Exposure Controls/Personal Protection

US Exposure Limits:

Name	CAS Number	TWA (NIOSH)
Octyly Palmitate	29806-73-7	None Determined
Sunflower Oil	8001-21-6	None Determined
Polyoxyethylene Stearic Alcohol	9005-00-9	None Determined
Soybean Oil	8001-22-7	None Determined
Ethoxylated Mono-diglycerides	68553-11-7	None Determined
Olive Oil	8001-25-0	None Determined
Polysorbate 80	9005-65-6	None Determined
Isopropyl Palmitate	142-91-6	None Determined

Engineering Controls: None

Personal Protective Equipment:

Eye Protection: Safety glasses recommended if used where splashing may occur.

Hand Protection: Hand protection may be used

Skin and Body Protection: Not required

Respiratory Protection: Not required under normal conditions of use.

Hygiene Measures: Wash hands thoroughly after handling. Use only in a well-ventilated areas.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	White - Yellow
Odor:	None
Odor Threshold:	Not Available
pH:	Not Available
Melting/Freezing Point:	Not Available
Initial Boiling Point:	Not Available
Flash Point:	> 215 degree C
Evaporation Rate:	Not Available
Flammability (solid, gas):	Not Applicable
Lower Explosive Limit:	Not Available
Upper Explosive Limit:	Not Available
Lower Flammability Limit:	Not Available
Upper Flammability Limit:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	1.0
Water Solubility:	Insoluble
Partition Coefficient:	Not Available
Autoignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	Not Available

Section 10: Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Stable under most ordinary conditions including elevated temperatures.

Incompatible Materials: Presents no significant reactivity hazard.

Hazardous Decomposition Products: No known hazardous decomposition products.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Inhalation: No known effects.

Ingestion: No known affects.

Skin Contact: No known affects.

Eye Contact: No known affects.

Chronic Exposure: No known effects.

Aggravation of Pre-existing Conditions: No information found.

Numerical Measures of Toxicity: None available.

Carcinogenicity: Not known to be as defined by as a carcinogen under OSHA, IARC or NTP.

Section 12: Ecological Information

This product is safe for the environment at the concentrations predicted under normal use conditions.

Section 13: Disposal Considerations

Dispose of contents and container in accordance with all applicable local, state and federal regulations.

Section 14: Transport Information

Not Regulated

Section 15: Regulatory Information

US Regulatory Information:

OSHA Hazards: Not applicable

SARA 302: No reportable quantities.

SARA 311/312 Hazard Categories: No reportable quantities

SARA 313: No reportable quantities

TSCA: All chemical substances in this product are included or exempted from listing on the TSCA Inventory of Chemical Substances

Canadian Regulatory Information:

DSL List: All components of this product comply with registration requirements.

European Economic Community Information for Constituents: not applicable

EU Labeling and Classification According to Directive 1999/45/EC: This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

EU Classification: not applicable

EU Risk Phrases: not applicable

EU Safety Phrases: not applicable

EU Symbols:

None

Japanese Information:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

Japanese ENCS Inventory: The components of this product are on the ENCS Inventory if required.

Poisonous and Deleterious Substances Control Law: No component of this product is a listed poisonous, deleterious, or specified poisonous substance under the Poisonous and Deleterious Substances Control Law.

Other International Chemical Inventories:

China Inventory of Existing Chemical Substances (IECSC): The components of this product are on the IECSC if required.

Korean Existing Chemicals List (KECL): The components of this product are on the KECL if required.

Philippines Inventory of Chemicals and Chemical Substances (PICCS): The components of this product are on the PICCS if required.

Section 16: Other Information

The information contained in this SDS is presented in good faith and believed to be accurate based on the information provided. The SDS does not purport to be all inclusive, and shall be used only as a guide. While Performance Health, Inc. believes that the data contained herein comply with 29 CFR 1910.1200, they are not to be taken as a warranty or representation for which Performance Health, Inc. assumes legal responsibility. Performance Health, Inc. shall not be held liable or accountable for any loss or damage associated with the use of this material and information. The recommended industrial hygiene and safe use, handling, storage, and disposal procedures are believed to be generally applicable. However, since the use, handling, storage, and disposal are beyond Performance Health, Inc. control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability of loss, damage, or expense arising out of the material's improper use.

HMIS Classification:

Health Hazard:	1
Flammability:	0
Physical Hazards:	0

Legend:

ACGIH: American Conference of Governmental & Industrial Hygienists
CAS: Chemical Abstract Service
CFR: Code of Federal Regulations
DOT: Department of Transportation
DSL/NDL: Domestic Substances List/Non-Domestic Substances List
EC Number: EINECS Number or ELINCS Number
EINECS: European Inventory of Existing Commercial Chemical Substance
ELINCS: European List of Notified Substance
ENCS: Existing and New Chemical Substances
EU: European Union
GHS: Globally Harmonized System of Chemical Classification and Labelling
HMIS: Hazardous Materials Identification System
IARC: International Agency for the Research of Cancer
IATA: International Air Traffic Association
ICAO: International Civil Aviation Organization
IDLH: Immediately Dangerous to Life or Health
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organizations
MAK: Maximale Arbeitsplatzkonzentration (Exposure Limit)
NIOSH: National Institute of Occupational Safety and Health
NFPA: National Fire Protection Association
NTP: National Toxicology Program
OSHA: Occupational Safety & Health Administration
PEL: Permissible Exposure Limits
RCRA: Resource Conservation & Recovery Act
REL: Recommended Exposure Limits
RQ: Reportable Quantity
RTK: Right-To-Know
SARA: Superfund Amendments & Reauthorization Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
TCLP: Toxicity Characteristic Leaching Procedure
US: United States
VOC: Volatile Organic Compounds

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SECTION 1. IDENTIFICATION

Product name : GASOLINE, UNLEADED

Synonyms : Regular, Unleaded Gasoline (US Grade), Mid-Grade, Plus, Super, WinterGas, SummerGas, Supreme, SuperClean, SuperClean WinterGas, RegularClean, PlusClean, Premium, marked or dyed gasoline, TQRUL, transitional quality regular unleaded, BOB, Blendstock for Oxygenate Blending, Conventional Gasoline, RUL, MUL, SUL, PUL.

Product code : 100127, 100126, 101823, 100507, 101811, 101814, 100141, 101813, 101810, 101812, 100063, 101822, 100138, 101821, 100064, 101820, 101819, 100506, 101818, 101816, 101817, 100488

Manufacturer or supplier's details
Petro-Canada
P.O. Box 2844, 150 - 6th Avenue South-West
Calgary Alberta T2P 3E3
Canada

Emergency telephone number
Suncor Energy: +1 403-296-3000;
Canutec Transportation: 1-888- 226-8832 (toll-free) or 613-996-6666;
Poison Control Centre: Consult local telephone directory for emergency number(s).

Recommended use of the chemical and restrictions on use

Recommended use : Unleaded gasoline is used in spark ignition engines including motor vehicles, inboard and outboard boat engines, small engines such as chain saws and lawn mowers, and recreational vehicles.

Prepared by : Product Safety: +1 905-804-4752

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Clear liquid.
Colour	Clear to slightly yellow or green, undyed liquid. May be dyed red for taxation purposes.
Odour	Gasoline

GHS Classification

Flammable liquids : Category 1

Skin irritation : Category 2

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- Germ cell mutagenicity : Category 1B
- Carcinogenicity : Category 1A
- Reproductive toxicity : Category 2
- Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
- Specific target organ toxicity - repeated exposure : Category 1
- Aspiration hazard : Category 1

GHS label elements

- Hazard pictograms :
- 

- Signal word : Danger

- Hazard statements : Extremely flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
Suspected of damaging the unborn child.
Causes damage to organs () through prolonged or repeated exposure.

- Precautionary statements : **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable

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for breathing. Call a POISON CENTER/doctor if you feel unwell.
IF exposed or concerned: Get medical advice/ attention.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

- Primary Routes of Entry : Eye contact
Ingestion
Inhalation
Skin contact
- Target Organs : Blood
Immune system
- Inhalation : Inhalation may cause central nervous system effects.
Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- Skin : Causes skin irritation.
- Eyes : May irritate eyes.
- Ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Aspiration hazard if swallowed - can enter lungs and cause damage.
- Chronic Exposure : Chronic exposure to benzene may result in increased risk of leukemia and other blood disorders.
- Aggravated Medical Condition : None known.

Other hazards

None known.

IARC

Group 1: Carcinogenic to humans

Benzene 71-43-2

OSHA

OSHA specifically regulated carcinogen

Benzene 71-43-2

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NTP

Known to be human carcinogen

Benzene

71-43-2

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration
gasoline, natural	8006-61-9	95 - 100 %
toluene	108-88-3	1 - 40 %
benzene	71-43-2	0.5 - 1.5 %
ethanol	64-17-5	0.1 - 0.3 %

SECTION 4. FIRST AID MEASURES

- If inhaled : Artificial respiration and/or oxygen may be necessary.
Move to fresh air.
Seek medical advice.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
Seek medical advice.
- In case of eye contact : Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.
- If swallowed : Rinse mouth with water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.
Seek medical advice.
- Most important symptoms and effects, both acute and delayed : None known.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Water fog.
Foam
- Unsuitable extinguishing media : Do NOT use water jet.
- Specific hazards during fire-fighting : Cool closed containers exposed to fire with water spray.
- Hazardous combustion products : Carbon oxides (CO, CO₂), nitrogen oxides (NO_x), polynuclear aromatic hydrocarbons, phenols, aldehydes, ketones, smoke and irritating vapours as products of incomplete combustion.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Prevent further leakage or spillage if safe to do so.
Remove all sources of ignition.
Soak up with inert absorbent material.
Non-sparking tools should be used.
Ensure adequate ventilation.
Contact the proper local authorities.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Use only with adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity.
Avoid contact with skin, eyes and clothing.
Do not ingest.
Keep away from heat and sources of ignition.
Keep container closed when not in use.

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Conditions for safe storage : Store in original container.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 Keep in a dry, cool and well-ventilated place.
 Keep in properly labelled containers.
 To maintain product quality, do not store in heat or direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
gasoline, natural	8006-61-9	TWA	300 ppm 900 mg/m ³	OSHA P0
		STEL	500 ppm 1,500 mg/m ³	OSHA P0
		TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		STEL	500 ppm 1,500 mg/m ³	CAL PEL
		PEL	300 ppm 900 mg/m ³	CAL PEL
toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m ³	NIOSH REL
		ST	150 ppm 560 mg/m ³	NIOSH REL
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm (10 minutes)	OSHA Z-2
		TWA	100 ppm 375 mg/m ³	OSHA P0
		STEL	150 ppm 560 mg/m ³	OSHA P0
		PEL	10 ppm 37 mg/m ³	CAL PEL
		C	500 ppm	CAL PEL
		STEL	150 ppm 560 mg/m ³	CAL PEL
benzene	71-43-2	TWA	0.5 ppm	ACGIH
		STEL	2.5 ppm	ACGIH
		TWA	0.1 ppm	NIOSH REL
		ST	1 ppm	NIOSH REL
		TWA	10 ppm	OSHA Z-2
		CEIL	25 ppm	OSHA Z-2
		Peak	50 ppm (10 minutes)	OSHA Z-2
		PEL	1 ppm	OSHA CARC
STEL	5 ppm	OSHA CARC		

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		PEL	1 ppm	CAL PEL
		STEL	5 ppm	CAL PEL
ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH
		PEL	1,000 ppm 1,900 mg/m3	CAL PEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentra-tion	Basis
Toluene	108-88-3	Toluene	In blood	Prior to last shift of work-week	0.02 mg/l	ACGIH BEI
		Toluene	Urine	End of shift (As soon as possible after exposure ceases)	0.03 mg/l	ACGIH BEI

Engineering measures : Use only in well-ventilated areas.
 Ensure that eyewash station and safety shower are proximal to the work-station location.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter type : A NIOSH-approved air-purifying respirator with an organic vapour cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection Material : polyvinyl alcohol (PVA), Viton(R). Consult your PPE provider for breakthrough times and the specific glove that is best for you based on your use patterns. It should be realized that eventually any material regardless of their imperviousness,

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will get permeated by chemicals. Therefore, protective gloves should be regularly checked for wear and tear. At the first signs of hardening and cracks, they should be changed.

Remarks	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection	: Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures	: Wash contaminated clothing before re-use.
Hygiene measures	: Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear liquid.
Colour	: Clear to slightly yellow or green, undyed liquid. May be dyed red for taxation purposes.
Odour	: Gasoline
Odour Threshold	: No data available
pH	: No data available
Pour point	: No data available
Boiling point/boiling range	: 25 - 225 °C (77 - 437 °F)
Flash point	: -50 - -38 °C (-58 - -36 °F) Method: Tagliabue.
Auto-Ignition Temperature	: 257 °C (495 °F)
Evaporation rate	: No data available
Flammability	: Extremely flammable in presence of open flames, sparks, shocks, and heat. Vapours are heavier than air and may travel considerable distance to sources of ignition and flash back. Rapid escape of vapour may generate static charge causing ignition. May accumulate in confined spaces.
Upper explosion limit	: 7.6 %(V)

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Lower explosion limit	:	1.3 %(V)
Vapour pressure	:	< 802.5 mmHg (20 °C / 68 °F)
Relative vapour density	:	3
Relative density	:	0.685 - 0.8
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Viscosity		
Explosive properties	:	Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Containers may explode in heat of fire. Vapours may form explosive mixtures with air.

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	Hazardous polymerisation does not occur. Stable under normal conditions.
Conditions to avoid	:	Extremes of temperature and direct sunlight.
Incompatible materials	:	Reactive with oxidising agents, acids and interhalogens.
Hazardous decomposition products	:	May release CO _x , NO _x , phenols, polycyclic aromatic hydrocarbons, aldehydes, ketones, smoke and irritating vapours when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Ingestion
Inhalation
Skin contact

Acute toxicity

Product:

Acute oral toxicity	:	Remarks: No data available
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

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Components:

toluene:

- Acute oral toxicity : LD50 (Rat): 5,580 mg/kg,
- Acute inhalation toxicity : LC50 (Rat): 7585 ppm
Exposure time: 4 h
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rabbit): 12,125 mg/kg,

benzene:

- Acute oral toxicity : LD50 (Rat): 2,990 mg/kg,
- Acute inhalation toxicity : LC50 (Rat): 13700 ppm
Exposure time: 4 h
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rabbit): > 8,240 mg/kg,

ethanol:

- Acute oral toxicity : LD50 (Rat): 7,060 mg/kg,
- Acute inhalation toxicity : LC50 (Rat): > 32380 ppm
Exposure time: 4 h
Test atmosphere: vapour

Skin corrosion/irritation

Product:

Remarks: No data available

Serious eye damage/eye irritation

Product:

Remarks: No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

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STOT - repeated exposure

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to bacteria : Remarks: No data available

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste must be classified and labelled prior to recycling or disposal.
Send to a licensed waste management company.
Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

Contaminated packaging : Do not re-use empty containers.

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SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 1203
Proper shipping name : Gasoline
Class : 3
Packing group : II
Labels : Class 3 - Flammable Liquid
Packing instruction (cargo aircraft) : 364

IMDG-Code

UN number : UN 1203
Proper shipping name : GASOLINE

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

National Regulations

49 CFR

UN/ID/NA number : UN 1203
Proper shipping name : Gasoline

Class : 3
Packing group : II
Labels : Class 3 - Flammable Liquid
ERG Code : 128
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:

DSL On the inventory, or in compliance with the inventory
TSCA All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
EINECS On the inventory, or in compliance with the inventory

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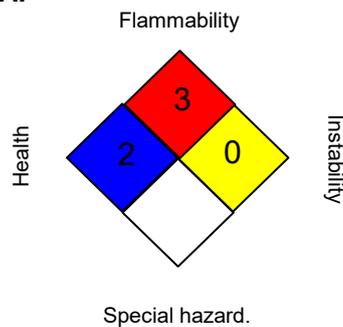
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SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	3*
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

For Copy of SDS

: Internet: www.petro-canada.ca/msds
Canada-wide: telephone: 1-800-668-0220; fax: 1-800-837-1228
For Product Safety Information: 1 905-804-4752

Prepared by

: Product Safety: +1 905-804-4752

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.