

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **Sludge Be Gone (SBG)**

**Product Code(s)** : US Product Codes: 00342, 90342, 00359P, 00360  
Canada Product Codes: 00424, 90424

**Recommended use of the chemical and restrictions on use**

: Fuel oil treatment No restrictions on use known. .

**Chemical family** : Mixture.

**Name, address, and telephone number of the manufacturer:**

**FPPF Chemical Company, Inc.**

117 West Tupper Street  
Buffalo, NY, USA  
14201

Manufacturer's Telephone # : 1-800-735-3773

**24 Hr. Emergency Tel #** : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

**Name, address, and telephone number of the supplier:**

Refer to manufacturer

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Colourless to slightly hazy liquid. Butyl odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

**Classification:**

Flammable Liquids - Category 3

Acute toxicity, oral - Category 4

Acute toxicity, dermal - Category 3

Acute Toxicity, inhalation - Category 3 (vapor)

Skin Corrosion/Irritation - Category 2

Eye damage/irritation -Category 2A

Aspiration Toxicity - Category 1

Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects

Specific Target organ toxicity, repeated exposure- Category 1

**Label elements**
*Hazard pictogram(s)*

*Signal Word*

DANGER!

*Hazard statement(s)*

Flammable liquid and vapor.

Harmful if swallowed.

Toxic in contact with skin.

Toxic if inhaled.

Causes skin irritation.

Causes serious eye damage.

May be fatal if swallowed and enters airways.

May cause drowsiness and dizziness.

Causes damage to organs through prolonged or repeated exposure.

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### Precautionary statement(s)

Keep away from heat, sparks and open flame. - No smoking.  
 Ground/Bond container and receiving equipment.  
 Use explosion-proof electrical and ventilating equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Wear protective gloves and eye/face protection.  
 Do not breathe mist or vapor.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/clothing and eye/face protection.  
 Wash hands and face thoroughly after handling.

Get medical advice/attention if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth.

In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

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

### Other hazards

No OSHA defined hazard classes.

Other hazards which do not result in classification: May be sensitive to static discharge. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Burning produces obnoxious and toxic fumes. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
<b>Ethylene glycol monobutyl ether</b>	2-Butoxyethanol; EGBE; 2-Butoxy-1-ethanol	111-76-2	<b>65.0 - 85.0</b>
<b>Stoddard solvent (mineral spirits)</b>	Mineral spirits White spirit	8052-41-3	<b>10.0 - 30.0</b>
<b>oleic acid</b>	Oleic acid; 9-Octadecenoic acid Elaic acid	112-80-1	<b>1.0 - 5.0</b>

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Never give anything by mouth to a person who is unconscious or is having convulsions.
- Inhalation* : If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only.

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- Skin contact* : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before re-use.
- Eye contact* : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

### Most important symptoms and effects, both acute and delayed

- : Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Symptoms may include severe abdominal pain, vomiting, burns and bleeding.
  - Toxic if inhaled. Symptoms may include coughing, choking and wheezing. May cause respiratory impairment and lung damage.
  - Toxic in contact with skin. May be absorbed through the skin, producing symptoms similar to ingestion or inhalation.
  - Causes skin irritation. Symptoms may include redness, itching and swelling.
  - Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis.
  - May cause drowsiness and dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.
  - May be fatal if swallowed and enters airways. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Symptoms include coughing, shortness of breath and wheezing.
- Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights. Prolonged or repeated contact may cause drying, cracking and defatting of the skin. Chronic overexposure to 2-butoxyethanol may cause liver, kidney and blood damage, based on animal data.

### Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Provide general supportive measures and treat symptomatically. Show this safety data sheet to the doctor in attendance.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### *Suitable extinguishing media*

- : Dry chemical, foam, carbon dioxide and water fog.

#### *Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture / Conditions of flammability

- : Flammable liquid and vapour. Keep away from heat, sparks and open flames. Product may float, and be re-ignited at the water's surface. Vapours are heavier than air and collect in confined and low-lying areas. Vapors may travel considerable distance to a source of ignition and flash back. This product will accumulate static charge by flow, splashing or agitation. After prolonged storage, may release explosive peroxides in the presence of air. Rate of peroxide formation is not known. Closed containers may build up pressure when exposed to heat and flame.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 3

### Hazardous combustion products

- : Irritating or noxious fumes, acrid smoke, and carbon oxides.

### Special protective equipment and precautions for firefighters

#### *Protective equipment for fire-fighters*

- : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

#### *Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

: Evacuate personnel to safe areas. Keep all other personnel upwind and away from the spill/release. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

**Methods and material for containment and cleaning up**

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Bond and ground transfer containers and equipment to avoid static accumulation. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

**Special spill response procedures**

: In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): None.

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

: Use only outdoors or in a well-ventilated area. Keep away from heat, sparks and open flame. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/clothing and eye/face protection. Avoid breathing vapour or mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Do not ingest. Avoid contact with skin, eyes and clothing. Avoid contact with incompatible materials.

**Conditions for safe storage** : Store in well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Store away from incompatibles and out of direct sunlight. Take measures to prevent the build up of electrostatic charge. After prolonged storage, may release explosive peroxides in the presence of air. Direct sunlight or heat may accelerate the release of peroxides. Rate of peroxide formation is not known. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

**Incompatible materials** : Strong oxidizing agents Strong acids Alkali metals Alkaline earth metals

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	Ethylene glycol monobutyl ether	20 ppm	N/Av	50 ppm (skin)
Stoddard solvent (mineral spirits)	100 ppm	N/Av	500 ppm (2900 mg/m <sup>3</sup> )	N/Av
oleic acid	N/Av	N/Av	N/Av	N/Av

**Exposure controls**

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### Ventilation and engineering measures

: Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof equipment. In case of insufficient ventilation wear suitable respiratory equipment.

### Respiratory protection

: If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

### Skin protection

: Wear protective gloves/clothing. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

### Eye / face protection

: Wear eye/face protection. Chemical splash goggles are recommended. A full face shield may also be necessary.

### Other protective equipment

: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

### General hygiene considerations

: Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	: Clear to slightly hazy liquid.
<b>Odour</b>	: Butyl odour.
<b>Odour threshold</b>	: N/Av
<b>pH</b>	: N/Av
<b>Melting/Freezing point</b>	: N/Av
<b>Initial boiling point and boiling range</b>	: Approximately >154°C / >310°F
<b>Flash point</b>	: 42.8°C / 109°F
<b>Flashpoint (Method)</b>	: Tag closed cup
<b>Evaporation rate (BuAe = 1)</b>	: N/Av
<b>Flammability (solid, gas)</b>	: N/Av
<b>Lower flammable limit (% by vol.)</b>	: N/Av
<b>Upper flammable limit (% by vol.)</b>	: N/Av
<b>Oxidizing properties</b>	: None known.
<b>Explosive properties</b>	: N/Av
<b>Vapour pressure</b>	: N/Av
<b>Vapour density</b>	: >1
<b>Relative density / Specific gravity</b>	: 0.818
<b>Solubility in water</b>	: Partially soluble.
<b>Other solubility(ies)</b>	: N/Av
<b>Partition coefficient: n-octanol/water or Coefficient of water/oil distribution</b>	: N/Av
<b>Auto-ignition temperature</b>	: N/Av
<b>Decomposition temperature</b>	: N/Av
<b>Viscosity</b>	: N/Av
<b>Volatiles (% by weight)</b>	: 98%(approximately)
<b>Volatile organic Compounds (VOC's)</b>	: N/Av

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**Absolute pressure of container**

: N/Ap

**Flame projection length** : N/Ap

**Other physical/chemical comments**

: None reported by the manufacturer.

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.

**Chemical stability** : Stable under normal conditions.

**Possibility of hazardous reactions**

: Hazardous polymerization will not occur. May be sensitive to static discharge. May form explosive peroxides during prolonged exposure to air and heat.

**Conditions to avoid** : Keep away from heat, sparks and flame. Keep away from direct sunlight. Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharge. Avoid contact with incompatible materials.

**Incompatible materials** : Strong oxidizing agents Strong acids Perchloric acid Bases

**Hazardous decomposition products**

: None reported. Refer also to hazardous combustion products, Section 5.

### SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**
**Routes of entry inhalation** : YES

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

**Routes of exposure skin absorption**  
: YES

**Potential Health Effects:**
**Signs and symptoms of short-term (acute) exposure**
*Sign and symptoms Inhalation*

: Toxic if inhaled. Inhalation of vapors or mists may cause irritation to the nose, throat and upper respiratory tract. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause coughing and breathing difficulties.

*Sign and symptoms ingestion*

: Harmful if swallowed. Ingestion may cause symptoms similar to inhalation. Symptoms may include severe abdominal pain, vomiting, burns and bleeding. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Symptoms include coughing, shortness of breath and wheezing.

*Sign and symptoms skin*

: Toxic in contact with skin. May be absorbed through the skin, producing symptoms similar to ingestion or inhalation. Causes skin irritation. Symptoms include: Dryness, itching, cracking, burning, redness and swelling.

*Sign and symptoms eyes*

: Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

**Potential Chronic Health Effects**

: Chronic overexposure to 2-butoxyethanol may cause liver, kidney and blood damage, based on animal data. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

**Mutagenicity** : Not expected to be mutagenic in humans.

**Carcinogenicity** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects & Teratogenicity**

: Not expected to cause reproductive effects.

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- Sensitization to material** : Not expected to be a respiratory sensitizer.  
Not expected to be a skin sensitizer.
- Specific target organ effects** : Eyes, skin, respiratory system, digestive system, central nervous system.

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:

Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects May cause drowsiness or dizziness.

Specific Target organ toxicity, repeated exposure- Category 1 Causes damage to organs through prolonged or repeated exposure.

**Medical conditions aggravated by overexposure**

- : Pre-existing skin, eye, respiratory and central nervous system disorders.

**Synergistic materials**

- : None reported by the manufacturer.

**Toxicological data**

- : The calculated ATE values for this mixture are:  
ATE oral =706 mg/kg  
ATE dermal =400 mg/kg  
ATE inhalation (vapours) =2.8 mg/L/4H

See below for individual ingredient acute toxicity data.

<b>Chemical name</b>	<b>LC<sub>50</sub>(4hr) inh, rat</b>	<b>LD<sub>50</sub></b>	
		<b>(Oral, rat)</b>	<b>(Rabbit, dermal)</b>
Ethylene glycol monobutyl ether	450 ppm (2.175 mg/L)	530 mg/kg	400 - 500 mg/kg
Stoddard solvent (mineral spirits)	> 5.5 mg/L (vapour)	> 5000 mg/kg	> 3000 mg/kg
oleic acid	N/Av	>19200 mg/kg	>3000mg/kg

**Other important toxicological hazards**

- : None known or reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : No data is available on the product itself.  
See the following tables for individual ingredient ecotoxicity data.

**Ecotoxicity data:**

<b>Ingredients</b>	<b>CAS No</b>	<b>Toxicity to Fish</b>		
		<b>LC50 / 96h</b>	<b>NOEC / 21 day</b>	<b>M Factor</b>
Ethylene glycol monobutyl ether	111-76-2	1490 mg/L (Bluegill)	>100mg/L (Zebra fish)	None.
Stoddard solvent (mineral spirits)	8052-41-3	2.1 - 4.2 mg/L (Bluegill sunfish)	N/Av	None.
oleic acid	112-80-1	205 mg/L (Fathead minnow)	N/Av	None.

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<u>Ingredients</u>	CAS No	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Ethylene glycol monobutyl ether	111-76-2	835 mg/L Water flea	100mg/L Water flea	None.
Stoddard solvent (mineral spirits)	8052-41-3	0.42 - 2.3 mg/L (Daphnia magna) (Closed systems - low end; Open systems - high end)	0.1 - 0.37 mg/L	None.
oleic acid	112-80-1	N/Av	N/Av	N/Av

<u>Ingredients</u>	CAS No	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Ethylene glycol monobutyl ether	111-76-2	911mg/L/72hr	286mg/L/72hr	None.
Stoddard solvent (mineral spirits)	8052-41-3	0.58 - 1.2 mg/L/72hr (Green algae) (Closed systems - low end; Open systems - high end)	0.16 mg/L/72hr	None.
oleic acid	112-80-1	N/Av	N/Av	N/Av

**Persistence and degradability**

: No data is available on the product itself. The following ingredients are considered to be readily biodegradable: Ethylene glycol monobutyl ether

**Bioaccumulation potential**

: No data is available on the product itself.  
See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethylene glycol monobutyl ether (CAS 111-76-2)	0.81 at 25 °C	0.97
Stoddard solvent (mineral spirits) (CAS 8052-41-3)	3.16 - 7.06	N/Av
oleic acid (CAS 112-80-1)	7.64	10(calculated)

**Mobility in soil**

: No data is available on the product itself.

**Other Adverse Environmental effects**

: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

**SECTION 13. DISPOSAL CONSIDERATIONS****Handling for Disposal**

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal**

: Dispose in accordance with all applicable federal, state, provincial and local regulations.



**RCRA**

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.



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## SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1993	FLAMMABLE LIQUID, N.O.S. (stoddard solvent)	3	III	
<b>49CFR/DOT Additional information</b>	This material may be reclassified as a 'Combustible liquid', when shipping by ground within the United States only. Combustible liquids may be shipped as non-hazardous material when shipped in non-bulk containers (450 L / 119 Gallons or less).				
TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (stoddard solvent)	3	III	
<b>TDG Additional information</b>	This material may be shipped as non-regulated material when in small means of containment (<450 Litres), provided the requirements of TDG section 1.33 are met.				

**Special precautions for user** : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
: Not available.

## SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Ethylene glycol monobutyl ether	111-76-2	Yes	N/Ap	N/Av	No	N/Ap
Stoddard solvent (mineral spirits)	8052-41-3	Yes	None.	None.	No	N/Ap
oleic acid	112-80-1	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Physical hazards (Flammable.) Health hazards (Acute toxicity ;Skin irritation ;Eye irritation ;Specific target organ toxicity, repeated exposure;Specific target organ toxicity, single exposure;Aspiration hazard ).Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethylene glycol monobutyl ether	111-76-2	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes
Stoddard solvent (mineral spirits)	8052-41-3	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
oleic acid	112-80-1	No	Not listed	No	No	No	No	Yes	No

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### **Canadian Information:**

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: See Section 2.

### **International Information:**

Components listed below are present on the following International Inventory list:

<b><u>Ingredients</u></b>	<b>CAS #</b>	<b>European EINECS</b>	<b>Australia AICS</b>	<b>Philippines PICCS</b>	<b>Japan ENCS</b>	<b>Korea KECI/KECL</b>	<b>China IECSC</b>	<b>NewZealand IOC</b>
Ethylene glycol monobutyl ether	111-76-2	203-905-0	Present	Present	(7)-97; (2)-407	KE-04134	Present	HSR001154
Stoddard solvent (mineral spirits)	8052-41-3	232-489-3	Present	Present	(9)-1702; (9)-1702	KE-32199	Present	HSR001498
oleic acid	112-80-1	204-007-1	Present	Present	(2)-975; (2)-609	KE-26450	Present	HSR003153

### **SECTION 16. OTHER INFORMATION**

#### **Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 ATE: Acute Toxicity Estimate  
 CA: California  
 CAS: Chemical Abstract Services  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations  
 CNS: Central Nervous System  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 EC50: Effective Concentration 50%  
 EINECS: European Inventory of Existing Commercial chemical Substances  
 ENCS: Existing and New Chemical Substances  
 EPA: Environmental Protection Agency  
 HMIS: Hazardous Materials Identification System  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 IMDG: International Maritime Dangerous Goods  
 Inh: Inhalation  
 KECI: Korean Existing Chemicals Inventory  
 KECL: Korean Existing Chemicals List  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 MSHA: Mine Safety and Health Administration  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NJ: New Jersey  
 NIOSH: National Institute of Occupational Safety and Health  
 NTP: National Toxicology Program  
 NOEC: No observable effect concentration  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PICCS: Philippine Inventory of Chemicals and Chemical Substances  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act

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STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TPQ: Threshold Planning Quantity  
 TSCA: Toxic Substance Control Act  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
  2. International Agency for Research on Cancer Monographs, searched 2018.
  3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
  4. Material Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists - March 2015 version.
  6. California Proposition 65 List - November 23, 2018 version.
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.

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**Other special considerations for handling** : Provide adequate information, instruction and training for operators.

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