



Killem

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Killem**

Other means of identification : 90119, 00191P, 00120

Product type: Liquid

Recommended use of the chemical and restrictions on use

: Biocidal product.

EPA Registration: 1448-171

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

Keep out of reach of children.

Chemical family

: Mixture.

Name, address, and telephone number of the supplier:

FPPF Chemical Company, Inc.

100 Dingens St.
Buffalo, NY, USA
14206

Supplier's Telephone # : (800)735-3773

24 Hr. Emergency Tel # : PERS: North America 1-800-633-8253; International : +1-801-629-0667
Contract No.: 8027

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

The following OSHA classification is for informational purposes only.
This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

Hazard classification

Flammable Liquid - Category 4

Acute toxicity, oral - Category 3

Acute toxicity, Inhalation- Category 1

Skin Corrosion/Irritation - Category 1

Serious eye damage -Category 1

Skin sensitization - Category 1

Reproductive toxicity - Category 2

Label elements

Hazard pictogram(s)



Signal Word

DANGER!



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Hazard statement(s)

Combustible liquid.
Toxic if swallowed.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Fatal if inhaled.
Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

Precautionary:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves, clothing and eye, face protection.
[In case of inadequate ventilation] wear respiratory protection.
Use only outdoors or in a well-ventilated area.
Do not breathe mist or vapor.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.

Response:

Immediately call a POISON CENTER or doctor.
Get medical advice or attention, call Doctor or POISON CENTER IF exposed or concerned.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If skin irritation or rash occurs: Get medical advice or attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Storage:

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

Disposal:

Dispose of contents and container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification: Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

All known hazards are clearly communicated within this document

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Proprietary Glycol Ether	Proprietary	Proprietary	80.0 - 100.0
Proprietary additive	Proprietary	Proprietary	Proprietary
Proprietary additive 2	Proprietary	Proprietary	Proprietary

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



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SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Swallowed (ingested):* :
 - Immediately call poison control or doctor.
 - Do not induce vomiting unless told to do so by the poison control center or doctor.
 - Do not give any liquid to the person.
 - Do not give anything by mouth to an unconscious person.
- Inhalation* :
 - Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible (can use barrier device).
 - Call poison control or doctor for further treatment advice.
- Skin contact* :
 - Take off contaminated clothing.
 - Rinse skin immediately with plenty of water for 15-20 minutes.
 - Call poison control or doctor for treatment advice.
- Eye contact* :
 - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - Remove contact lense(s). If present and easy to do after the first 5 minutes, then continue rinsing the eye.
 - Call poison control or doctor for further treatment advice.

Most important symptoms and effects, both acute and delayed

- : Fatal if inhaled. Symptoms may include coughing, choking and wheezing. Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage. Causes skin burns. Symptoms may include redness, blistering, pain and swelling. May cause an allergic skin reaction (e.g. swelling, rash and eczema).

Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Causes chemical burns. Treat symptomatically. Contains isocyanates. See information supplied by the manufacturer.

Note to Physician:

- Probable mucosal damage may contraindicate the use of gastric lavage.
- This product may pose an aspiration pneumonia hazard. Contains Petroleum distillate.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

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

Specific hazards arising from the substance or mixture / Conditions of flammability

- : Combustible liquid and vapor. Keep away from heat, sparks and open flames. May be sensitive to static discharge. Product may float, and be re-ignited at the water's surface. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 4

Hazardous thermal decomposition products

- : Cyanide salts are formed when product contacts strong alkali. Thermal decomposition of product can produce toxic vapors of hydrogen cyanide, carbon disulfide and carbon oxysulfide. Contact with fire may generate oxides of sulfur, nitrogen and carbon.



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Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

Special fire-fighting procedures

- : Promptly isolate the scene by removing all persons from the vicinity of the incident/fire. Move containers from fire area if safe to do so. Use water spray to keep containers cool. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Emergency personnel:

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection see section 8.

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Use appropriate personal protective equipment.

- 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

- : Ventilate the area. Remove all sources of ignition. Bond and ground transfer containers and equipment to avoid static accumulation. **Small spill:** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. **Large spill:** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous (inert absorbents) earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact Information and Section 13 for waste disposal.

Special spill response procedures

- : 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): See section 15.



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SECTION 7. HANDLING AND STORAGE

- Precautions for safe handling :** Handle material only after thoroughly reviewing proper use and safe handling instructions on label and SDS. In case of inadequate ventilation wear respiratory protection. Wear protective gloves, clothing and eye, face protection. Keep away from flames and hot surfaces. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used. Do not breathe mist. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Avoid contact with incompatible materials.
- Conditions for safe storage :** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Store locked up. Store in original container(s) only. Store away from incompatibles and out of direct sunlight. 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 bases, strong acids and oxidizing agents

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>
	Proprietary Glycol Ether	Not available.	Not available.	Not available.
Proprietary additive	Not available.	Not available.	Not available.	Not available.
Proprietary additive 2	Not available.	Not available.	Not available.	Not available.

Exposure controls

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. 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 as appropriate: Safety glasses with side-shields or chemical splash goggles. A full face shield may also be necessary.

Other protective equipment

- : Eye wash facilities and emergency shower must be available when handling this product. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Do not breathe mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid.
Color	: Clear, amber.
Odor	: Slight odor
Odor threshold	: Not available
pH	: Not available
Melting Point/Freezing point	: < -30°C (< -22°F)
Initial boiling point and boiling range	: >100°F (>212°C)
Flash point	: 70°C (158°F)
Flashpoint (Method)	: Tag closed cup
Evaporation rate (BuAe = 1)	: Not available
Flammability	: Combustible
Lower explosion or flammability limit (% by vol.)	: Not available
Upper explosion or flammability limit (% by vol.)	: Not available
Vapour pressure	: Not available
Relative vapour density	: Not available
Relative density / Specific gravity	: 1.03
Solubility in water	: Not available. Dispersibility properties: Cold & Hot water - Dispersible
Other solubility(ies)	: Not available
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available
Decomposition temperature	: Will decompose if exposed to high temperature
Viscosity	: Not available
Particle characteristics	: Not applicable.
Volatiles (% by weight)	: Not available
Volatile organic Compounds (VOC's)	: 94%
Absolute pressure of container	: Will decompose if exposed to high temperature
Other physical/chemical comments	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not normally reactive.
Chemical stability	: Stable under normal conditions. Do not store above 50 degrees Celsius / 122 Fahrenheit.
Possibility of hazardous reactions	: If ambient temperature is maintained during storage and uses, hazardous reactions will not occur.
Conditions to avoid	: Do not use in areas without adequate ventilation. Take precautionary measures against static discharge. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition. Avoid contact with incompatible materials.



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Incompatible materials : Strong bases, strong acids, and oxidizers

Hazardous decomposition products

: Cyanide salts are formed when product contacts strong alkali. Thermal decomposition of product can produce toxic vapors of hydrogen cyanide, carbon disulfide and carbon oxisulfide. Contact with fire may generate oxides of sulfur, nitrogen and carbon.

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 : NO

Routes of exposure skin absorption

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: Fatal if inhaled. May cause respiratory irritation. Symptoms may include coughing, choking and wheezing.

Sign and symptoms ingestion

: Toxic if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin

: Causes severe burns. Symptoms may include blistering, ulcerations and scarring. May cause an allergic skin reaction (e.g. swelling, rash and eczema).

Sign and symptoms eyes

: Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage.

Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Mutagenicity

: Not expected to be mutagenic in humans. Mutagenicity testing and 52-week rat studies on the active ingredients show no evidence of carcinogenic effects.

Carcinogenicity

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

Reproductive effects & Teratogenicity

: Reproductive toxicity - Category 2. Suspected of damaging fertility or the unborn child and increase in fetal death

Sensitization to material

: May cause an allergic skin reaction (e.g. swelling, rash and eczema). Not expected to be a respiratory sensitizer.

Specific target organ effects

: The substance or mixture is not classified as specific target organ toxicant, single exposure.
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Medical conditions aggravated by overexposure

: Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used.

Synergistic materials

: Not available.

Toxicological data

: The calculated ATE values for this mixture are: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

ATE oral = 250mg/kg

ATE inhalation (mists) = 0.28 mg/L



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<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh. rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Proprietary Glycol Ether	Not available.	>2000 mg/kg	>2000 mg/kg
Proprietary additive	0.067 mg/L (mist)	55 mg/kg	>2000 mg/kg
Proprietary additive 2	Not available.	750 mg/kg	>5000 mg/kg

Other important toxicological hazards

: Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Very toxic to aquatic life with long lasting effects. Avoid release to the environment.
 Product:
 Killem:
 LC50 -0.23 mg/L (Fish)
 LC50 -0.011 mg/L (Daphnia)
 Individual ingredients, see below:

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Proprietary Glycol Ether	Proprietary	7500 ppm (Lepomis macrochius)	Not available.	Not available.
Proprietary additive	Proprietary	89 ppb (Oncorhynchus mykiss)	Not available.	Not available.
Proprietary additive 2	Proprietary	7.3 µg/L (Oncorhynchus tshawytscha)	Not available	10

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Proprietary Glycol Ether	Proprietary	>930mg/L (Daphnia magna)	Not available.	Not available.
Proprietary additive	Proprietary	39 ppb (Daphnia magna)	5.8 ppb (Daphnia magna)	Not available.
Proprietary additive 2	Proprietary	23 ppb (Daphnia magna)	0.89 ppb (Daphia magna)	Not available.

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Proprietary Glycol Ether	Proprietary	Not available.	Not available.	Not available.
Proprietary additive	Proprietary	42 µg/L (Chlorella pyenoidosa)	Not available	10
Proprietary additive 2	Proprietary	0.15 mg/L	26 mg/L	Not available.



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Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

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

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 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		
IMDG	UN2922	CORROSIVE LIQUID, TOXIC, N.O.S (2-(Thiocyanomethylthio) benzothiazole, Methylene bis (thiocyanate))	8(6.1)	III			
IMDG Additional information	Consult the IMDG regulations for exceptions. "Marine pollutant" must be included with the shipping description on documentation. The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. EmS No. F-A,S-B. MDG Code Segregation group SGG6 – Cyanides. Remarks ERG Guide 154, HazMat Code 4936015						
ICAO/IATA	UN2922	Corrosive liquid, toxic, n.o.s (2-(Thiocyanomethylthio) benzothiazole, Methylene bis (thiocyanate))	8(6.1)	III			
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.						
49CFR/DOT	UN2922	Corrosive liquids, toxic, n.o.s. (2-(Thiocyanomethylthio) benzothiazole, Methylene bis (thiocyanate))	8(6.1)	III			
49CFR/DOT Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. Refer to 49 CFR Section 173.154. ERG #154						
TDG	UN2922	CORROSIVE LIQUID, TOXIC, N.O.S. (2-(Thiocyanomethylthio) benzothiazole, Methylene bis (thiocyanate))	8(6.1)	III			
TDG Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.						
EU REACH	NEW ZEALAND	CHINA	JAPAN	KOREA	AUSTRALIA	TAIWAN	PHILIPPINES
ADR 2025/IMDG Code	NZS 5433	GB 12268; JT/T 617; SP 274	ISHL / Cabinet Order; SP 274	K-REACH / Road Transport Rules SP 274	ADG Code Hazchem Code; SP 274	MOTC rules; SP 274	RA 6969 transport provisions; SP 274
Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1) SP274,335,601, PG III, Marine Pollutant	Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1), PG III; environmentally hazardous (Land Transport Rules)- Dangerous Goods	Corrosive liquid/Toxic - N.O.S., Class 8(6.1), PG III; listed as hazardous chemical	Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1); mixture considered hazardous to aquatic environment	Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1); PG III; labeling per GHS	Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1), PG III; Hazchem Code: 3Z	Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1), PG III; GHS labeling required	Corrosive liquid/Toxic - UN 2922 N.O.S., Class 8(6.1), PG III; SDS and GHS label mandatory

Special precautions for user : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame - No smoking. Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



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Environmental hazards : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12. The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg

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 Minimis Concentration
Proprietary Glycol Ether	N/Av	Exempt	None.	None.	No	N/Ap
Proprietary additive	N/Av	Exempt	None.	None.	No	N/Ap
Proprietary additive 2	N/Av	Exempt	None.	None.	No	N/Ap

SARA TITLE III: Sec. 304: Not applicable

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable ; Acute toxicity;Skin corrosion;Eye Damage;Skin sensitization; Reproductive toxicity

United States inventory (TSCA 8b): This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore, exempt from US Toxic Substances Control Act (TSCA) Inventory listing requirements.

Clean Water Act (CWA) 307: Solvent naphtha (petroleum), heavy arom.; naphthalene; Cyanide, solid

Clean Water Act (CWA) 311: Solvent naphtha (petroleum), heavy arom.; naphthalene



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U.S. Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) information:

EPA Registration number 1448-171

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles or face shield. Wear coveralls over long-sleeved shirt and long pants; socks and chemical resistant footwear; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton; and respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C); or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G); or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter. In addition to the PPE listed above, mixers, loaders, and cleaners of equipment must also wear chemical-resistant apron. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

User Safety Requirements: Follow manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendation: User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS: Do not expose to extreme temperatures

US State Right to Know Laws:

California Proposition 65: **WARNING:** This product can expose you to chemicals including 2-Mercaptobenzothiazole, Naphthalene and 1,4-Dioxane, which are known to the State of California to cause cancer, and Ethylene Glycol, Ethylene glycol monomethyl ether, Ethylene glycol monoethyl ether, Methanol and hydrogen cyanide & cyanide salts, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	<u>CAS #</u>	<u>State "Right to Know" Lists</u>					
		<u>CA</u>	<u>MA</u>	<u>MN</u>	<u>NJ</u>	<u>PA</u>	<u>RI</u>
Proprietary Glycol Ether	Proprietary	No	No	No	No	No	No
Proprietary additive	Proprietary	No	No	No	No	No	No
Proprietary additive 2	Proprietary	No	No	No	No	No	No



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Canadian Information:

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

International Information:

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

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>NewZealand IOC</u>
Proprietary Glycol Ether	Proprietary	Present	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
Proprietary additive	Proprietary	Present	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
Proprietary additive 2	Proprietary	Present	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.

SECTION 16. OTHER INFORMATION

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists	N/Ap: Not Applicable
ATE: Acute Toxicity Estimate	N/Av: Not Available
CAS: Chemical Abstract Services	NIOSH: National Institute of Occupational Safety and Health
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980	NOEC: No observable effect concentration
CFR: Code of Federal Regulations	NTP: National Toxicology Program
CSA: Canadian Standards Association	OECD: Organization for Economic Co-operation and Development
DOT: Department of Transportation	OSHA: Occupational Safety and Health Administration
EC50: Effective Concentration 50%	PEL: Permissible exposure limit
EINECS: European Inventory of Existing Commercial Chemical Substances	PICCS: Philippine Inventory of Chemicals and Chemical Substances
EPA: Environmental Protection Agency	SARA: Superfund Amendments and Reauthorization Act
IARC: International Agency for Research on Cancer	SDS: Safety Data Sheet
IECSC: Inventory of Existing Chemical Substances	STEL: Short Term Exposure Limit
IMDG: International Maritime Dangerous Goods	TDG: Canadian Transportation of Dangerous Goods Act & Regulations
KECI: Korean Existing Chemicals Inventory	TLV: Threshold Limit Values
KECL: Korean Existing Chemicals List LC: Lethal Concentration	TPQ: Threshold Planning Quantity
LD: Lethal Dose	TSCA: Toxic Substance Control Act

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