



## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	Immediately flush eyes with a large amount of cool, clean, low-pressure water while occasionally lifting and lowering eyelids for at least 15 minutes. If irritation or adverse symptoms continues, seek medical attention immediately.
<b>Skin Contact</b>	Remove contaminated clothing and shoes. Wash affected skin area thoroughly with soap and water. Launder soiled clothing. If skin irritation develops or persists, seek medical attention.
<b>Inhalation</b>	If respiratory discomfort or irritation occurs due to inhalation of oil mist, move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Contact a physician immediately if illness or adverse symptoms develop or continues.
<b>Ingestion</b>	If material is swallowed and adverse symptoms develop, seek medical attention immediately. If affected person is conscious, give plenty of water to drink. Drink two large glasses of water. Never give anything by mouth to an unconscious person. Induce vomiting only upon the advice of a physician. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor breathing. Upon ingestion, there is a low to moderate risk of aspiration. Careful gastric lavage may be considered to evacuate large quantities of material.

### Most important symptoms and effects

<b>Symptoms</b>	May cause discomfort if swallowed.
-----------------	------------------------------------

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

<b>Notes to Physician</b>	Oil injected into or under the skin or into any part of the body from high-pressure leaks in hydraulic systems can cause severe injury. Regardless of the appearance of the wound or its size, a subcutaneous injection is a medical emergency. Seek medical attention immediately. Surgical removal of oil may be necessary. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal.
---------------------------	--

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray (fog).

**Unsuitable Extinguishing Media** Water may be ineffective in fighting an oil fire unless used by experienced fire fighters. Water or foam may cause frothing.

### Specific Hazards Arising from the Chemical

Sparks or flame. Products may burn, but do not ignite readily.

**Hazardous Combustion Products** Carbon oxides and various hydrocarbons formed when burned.

### Protective equipment and precautions for firefighters

Evacuate area of all unnecessary personnel. Shut off source, if possible. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water fog or spray may be used to cool exposed containers and equipment. For large storage fires involving this material and/or other lubricating products, DO NOT enter enclosed or confined space without full protective equipment including self-contained breathing apparatus (SCBA).

**6. ACCIDENTAL RELEASE MEASURES**

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

- Personal Precautions**            Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. Immediately contact emergency personnel. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Slipping hazard; do not walk through spilled material. Provide adequate ventilation.
  
- Environmental Precautions**    See Section 12 for additional Ecological Information.

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

- Methods for Containment**        If emergency personnel are unavailable, shut off source, if possible and contain spilled material.
  
- Methods for Clean-Up**            For small spills, add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway or sewers. Absorb large spills with commercially available absorbent materials, such as absorbent clay or other dry inert materials. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. In natural environments, seek clean up advice from specialists to minimize physical habitat damage. This material will float on water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

- Advice on Safe Handling**        Use personal protective equipment as required. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose to any source of ignition.

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

- Storage Conditions**            Store locked up. Store in a well-ventilated place. Keep container tightly closed. Empty containers may contain product residue that can ignite with explosive force. Store away from incompatible materials. Do not store at elevated temperatures. Protect from direct sunlight.
  
- Incompatible Materials**        Acids. Alkalis. Strong oxidizing agents. Reducing agent. Halogens. Halogenated compounds.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Exposure Guidelines**            This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

- Engineering Controls**            Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Personal protective equipment (PPE) should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations.



**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Not expected to occur.**Conditions to Avoid**

Avoid contamination and extreme temperatures to minimize product degradation. Open flames. Sparks. Incompatible Materials.

**Incompatible Materials**

Acids. Alkalis. Strong oxidizing agents. Reducing agent. Halogens. Halogenated compounds.

**Hazardous Decomposition Products**

Carbon oxides and various hydrocarbons formed when burned. Traces of sulfur and nitrogen.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact** Avoid contact with eyes.**Skin Contact** Avoid contact with skin.**Inhalation** Do not inhale.**Ingestion** Do not ingest.**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil 64741-88-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h
Proprietary Additive	= 1846 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 12 mg/L ( Rat ) 4 h

**Information on physical, chemical and toxicological effects****Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product is not known to contain carcinogenic substances. This product contains mineral oils which are considered to be severely refined and not carcinogenic under IARC. All of the oils in this product contain less than 3% extractables by IP 346. The component below belongs to the petroleum family, which has been shown to contain carcinogenic substances depending on the level of refinement. The carcinogen classification need not apply if it can be shown that the substance contains less than 3% dimethyl sulfoxide extract.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated light paraffinic 64742-55-8	A2	Group 1		X
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	A2	Group 1		X
Mineral Oil 64741-88-4	A2	Group 1		X

**Legend***ACGIH (American Conference of Governmental Industrial Hygienists)**A2 - Suspected Human Carcinogen**IARC (International Agency for Research on Cancer)**Group 1 - Carcinogenic to Humans**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present***Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated light paraffinic 64742-55-8		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Mineral Oil 64741-88-4		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Proprietary Additive		1000: 96 h Pimephales promelas mg/L LC50 semi-static		14 - 28: 96 h Mysidopsis bahia mg/L LC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum distillates, hydrotreated light paraffinic	Present	X		Present		Present	X	Present	X	X
Petroleum distillates, hydrotreated heavy paraffinic	Present	X		Present		Present	X	Present	X	X
Mineral Oil	Present	X		Present		Present	X	Present	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated light paraffinic 64742-55-8		X	
Proprietary Additive		X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical Hazards</b> Not determined	<b>Personal Protection</b> Not determined

**Issue Date:** 03-Oct-2005  
**Revision Date:** 17-Jun-2015  
**Revision Note:** New format

**Disclaimer**

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.

**End of Safety Data Sheet**