

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Mineral Oil, Hydrotreated Light Naphthanic	64742-52-5	80-90

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation	Remove from further exposure and keep person at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned.
Ingestion	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms	Defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest May cause irritation to the mucous membranes and upper respiratory tract See SECTION 11 for delayed and chronic effects.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
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5. FIRE-FIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. DO NOT use stream of water (could cause fire to spread).
Specific Hazards Arising from the Chemical	A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.
Protective equipment / Precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin or eyes. Avoid breathing dust/fume/gas/mist/vapors/spray See SECTION 8 for Personal Protective Equipment
Environmental Precautions	Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water. Prevent further leakage or spillage if safe to do so. See SECTION 12 for Ecological Information

Methods for Clean-Up Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. If the product contaminates rivers and lakes or drains inform respective authorities. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements.

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature 5-40°C (41-104°F)

Incompatible Materials Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH STEL
Mineral Oil, Hydrotreated Light Naphthanic 64742-52-6	TWA: 5 mg/m ³ STEL: 10 mg/m ³	PEL: 5 mg/m ³ 8 hours (mist).	STEL: 10 mg/m ³ 15 minutes.

Legend: *ACGIH: American Conference of Governmental Industrial Hygienists* *TLV: Threshold Limit Value*
OSHA: Occupational Safety and Health Administration *PEL: Permissible Exposure Limit*
NIOSH: National Institute for Occupational Safety and Health *STEL: Short Term Exposure Limit*
TWA: Time Weighted Average

Appropriate engineering controls

Engineering Controls Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV). Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side shields.

Skin and Body Protection Chemical or oil resistant clothing is recommended.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. ATA
In case of inadequate ventilation wear respiratory protection

General Hygiene Considerations Avoid contact with skin, eyes and clothing.
After handling this product, wash hands before eating, drinking, or smoking.
Remove contaminated clothing and lauder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild Petroleum Odor
Appearance	Transparent		

Color	Yellow /light amber	Odor Threshold	Not determined
Property	Values	Remarks • Method	
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	> 224 °C / > 435 °F		
Flash Point	> 146 °C / > 295 °F	Cleveland Open Cup ASTM D 92	
Evaporation Rate	Not determined		
Flammability	OSHA Class III-B Combustible liquid		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	> 5	(Air=1)	
Specific Gravity	0.88-0.92		
Water Solubility	Insoluble		
Solubility in other solvents	Not determined		
Dynamic Viscosity	75-85 SUS	@ 38°C (100°F)	
Partition Coefficient	Not determined		
Auto-ignition Temperature	> 315 °C / > 600°F		

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Stable under recommended storage conditions.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	Oxidizing agents. Strong alkalis. Strong acids.
Hazardous Decomposition Products	Carbon oxides. Irritating aldehydes and ketones when heated to combustion.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause temporary irritation
Skin Contact	Prolonged contact may defat and dry skin but is neither an irritant nor a sensitizer.
Inhalation	May be fatal if enter airways.
Ingestion	May be fatal if swallowed. Do not induce vomiting, may increase risk of product aspiration

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute Effects	Not applicable.
Chronic Effects	Prolonged inhalation may be harmful.

Information on physical, chemical and toxicological effects

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil, Hydrotreated Light Naphthanic 64742-52-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h

Aspiration hazard	May be fatal if swallowed and enters airways.
Carcinogenicity	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.
STOT- repeated/single exposure	Not classified
Gem Cell Mutagenicity	No data available.
Reproductive Toxicity	No data available.
Other information	Risk of chemical pneumonia after aspiration into lung

12. ECOLOGICAL INFORMATION

Ecotoxicity Not expect to be harmful to aquatic organism

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Mineral Oil, Hydrotreated Light Naphthanic 64742-53-6		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Persistence/Degradability Not inherently biodegradable

Bioaccumulation Bioaccumulation is unlikely to be significant because of the low water solubility

Mobility Liquid under most environmental conditions. Float on water.
If enters soil it will absorb to soil particles and will not be mobile

Other Adverse Effects No other adverse environmental effects (ozon depletion, photochemical ozone creation)

13. DISPOSAL CONSIDERATIONS

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.

ATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mineral Oil, Hydrotreated Light Naphthanic	X	X		X		X	X	X	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 311/312 Hazard Categories** Petroleum distillates, hydrotreated light naphthenic 64742-52-5
Acute Health Hazard
- 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)

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Oil, Hydrotreated Light Naphthenic	X	X	X

X: not regulated

16. OTHER INFORMATION

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

Issue Date: Nov-02-2017

Revision Date:

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