

3. Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
Components below reportable levels	VARIOUS	10-20
White mineral oil (petroleum)	8042-47-5	0-10
Highly refined petroleum base oil	64742-01-4	0-10
Highly refined petroleum base oil	64742-52-5	0-10
Highly refined petroleum base oil	64741-88-4	0-10
Highly refined petroleum base oil	64742-54-7	0-10

4. First Aid Measures

General advice	When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin contact	Wash off immediately with soap and plenty of water
Inhalation	Move to fresh air
Ingestion	Dilute stomach contents with several glasses of water
Notes to physician	Treat symptomatically
Protection of first-aiders	No special protective equipment required

5. Fire-Fighting Measures

Flammable properties	Combustible material: may burn but does not ignite readily
Flash point	214 °C / 417.2 °F
Method	PMCC
Suitable extinguishing media	Water fog, Carbon dioxide (CO ₂), Foam, Dry powder
Unsuitable extinguishing media	No information available
<u>Specific hazards arising from the chemical</u>	
Hazardous combustion products	May emit toxic fumes under fire conditions
Explosion Data	
Sensitivity to Mechanical Impact	Not impact sensitive
Sensitivity to Static Discharge	Not sensitive

Protective Equipment and 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	Ensure adequate ventilation For personal protection see section 8
Methods for containment	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers
Methods for cleaning up	Keep in suitable and closed containers for disposal. Wash off with soap and water.
Other Information	The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

7. Handling and Storage

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice
Technical measures/Storage conditions	Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals
Hygiene measures	None under normal use conditions

8. Exposure Controls/Personal Protection

Exposure guidelines	
Product information	No acute toxicity information is available for this product

Occupational Exposure Controls

Engineering measures	None under normal use conditions.
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Personal Protective Equipment

Consumer use	These recommendations apply to the product as supplied
Respiratory protection	None required under normal usage
Eye/Face protection	No special protective equipment required
Skin and body protection	No special protective equipment required
Hand protection	Rubber/latex/neoprene or other suitable chemical resistant gloves

9. Physical and Chemical Properties

Appearance	No information available	Odor	Slight, Petroleum distillates
Odor threshold	No information available	Physical state	Paste/Gel
pH		Color	Dark gray
Flash point	214 °C / 417.2 °F	Boiling point/range	360 °C > / 680 °F
Softening point	Not Determined	Autoignition temperature	260 °C / 500 °F estimated (base oil)

Flammability Limits in Air	Not applicable
Vapor pressure	~ 0 hPa
Vapor density	No information available
Water solubility	Insoluble
Viscosity	(base oil) 222 cSt @ 40 C°
Partition coefficient	No information available
Evaporation rate	Negligible
Melting point/range	Not determined
Freezing point	No information available
Decomposition temperature	Not determined
Specific gravity	0.9 (water = 1)

10. Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use
Stability	Stable
Incompatible products	Strong oxidizing agents, oxygen, chloride
Conditions to Avoid	Heat, flames and sparks
Hazardous Decomposition Products	Carbon oxides
Hazardous polymerization	Hazardous polymerization does not occur
Hazardous reactions	None under normal processing

11. Toxicological Information

Acute toxicity

Product information

Irritation Irritating to respiratory system

Component information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
White mineral oil (petroleum)	5000 mg/kg (Rat)		
Highly refined petroleum base oil	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h
Highly refined petroleum base oil	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h

Chronic toxicity

Main symptoms Severe respiratory distress from aspiration of stomach contents after ingestion.

Aggravated medical conditions None under normal use conditions

Carcinogenicity Not expected to be carcinogenic

Other toxic effects

Product information

Sensitization Not a sensitizer

Mutagenic effects No information available

Teratogenicity No information available

Target organ effects No information available

Aspiration Hazard Aspiration into lungs can produce severe lung damage

Other adverse effects No information available

12. Ecological Information

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Component information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
White mineral oil (petroleum)		LC50> 10000 mg/L Lepomis macrochirus 96 h		
Highly refined petroleum base oil		LC50> 5000 mg/L Oncorhynchus mykiss 96 h		EC50 > 1000 mg/L 48 h
Highly refined petroleum base oil		LC50> 5000 mg/L Oncorhynchus mykiss 96 h		EC50 > 1000 mg/L 48 h
Highly refined petroleum base oil		LC50> 5000 mg/L Oncorhynchus mykiss 96 h		EC50 > 1000 mg/L 48 h
Highly refined petroleum base oil		LC50> 5000 mg/L Oncorhynchus mykiss 96 h		EC50 > 1000 mg/L 48 h

Persistence and degradability No product level data available

Bioaccumulation No product level data available

Mobility No product level data available

Component information

Chemical Name	log Pow
White mineral oil (petroleum)	>6

Other adverse effects No information available

13. Disposal Considerations

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261)

Contaminated packaging Dispose of in accordance with local regulations.

14. Transport Information

Note This material is not subject to regulation as a hazardous material for shipping.

15. Regulatory Information

International Inventories

TSCA Complies

U.S. Federal Regulations

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.

SARA 311/312 Hazard Categories No information available

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).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

TSCA

This product complies with TSCA12(b)

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product is subject to U.S. State Right-to-know regulations as noted below.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Highly refined petroleum base oil				X	
Highly refined petroleum base oil				X	
Highly refined petroleum base oil				X	
Highly refined petroleum base oil				X	

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. Other Information

Issuing Date 1987-04-23

Revision Date 2015-05-28

Revision Note Updated for OSHA HazCom 2012 and WHMIS 2015, Formulation updated

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

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