

Issue Date 13-Jul-2016

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Version 1.0

1. IDENTIFICATION

Product Identifier

Product Name Mineral Oil

Other Means of Identification

Product Code 232500

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Lubricant. For industrial use.

Details of the Supplier of the Safety Data Sheet

Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Colorless

Physical State Liquid

Odor None

Classification

Aspiration Hazard

Category 1

Signal Word

Danger



Hazard Statements

May be fatal if swallowed and enters airways.

Precautionary Statements - Prevention

No other specific measures identified.

Precautionary Statements - Response

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

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Mineral Oil	8042-47-5	60-100

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

Eye Contact	If irritation or redness develops, move victim away from exposure. Flush eyes with clean water for at least 15 minutes. If symptoms persist, seek medical attention.
Skin Contact	Wash with mild soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If irritation or redness develops and persists, seek medical attention.
Inhalation	First aid not normally required. If breathing difficulties develop, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.
Ingestion	Ingestion can cause mild irritation to the digestive tract or cause a laxative effect. If aspirated into the lungs, this material can cause severe lung damage or death. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If any discomfort persists, obtain medical attention.

Most Important Symptoms and Effects

Symptoms	May cause slight irritation, tears and a burning sensation if in eyes. May cause a mild skin irritation, potentially causing reddening, itching or inflammation. Inhalation may cause respiratory tract irritation. Ingestion may cause nausea, vomiting and diarrhea. Aspiration into lungs may cause chemical pneumonia and lung damage.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically. If ingested, this material represents a significant aspiration and chemical pneumonitis hazard. Vomiting is not recommended.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemicals, carbon dioxide, foam or water spray.

Unsuitable Extinguishing Media

Avoid solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Elevated temperature can lead to the formation of irritating fumes and vapors.

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, Protective Equipment and Emergency Procedures

Personal Precautions	Use personal protective equipment as required.
Environmental Precautions	Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Use absorbent materials such as sand, earth, or vermiculite on land spills. Use absorbent booms or skimming devices for water spills.
Methods for Clean-Up	Collect spillage. Collect in a clean, dry waste container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling**Advice on Safe Handling**

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Observe good industrial hygiene practices. Keep away from ignition sources. Be cautious of any drips or spills as product is extremely slippery.

Conditions for Safe Storage, Including Any Incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place away from strong sunlight and heat or flames. Keep locked up and out of reach of children. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral Oil 8042-47-5	TWA: 5 mg/m STEL: 10 mg/m (15 minutes)	TWA: 5 mg/m	

Appropriate Engineering Controls

Engineering Controls Ventilation systems.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear glasses with side shields or goggles in case of splashing.

Skin and Body Protection Wear protective gloves and long sleeve clothing to minimize contact.

Respiratory Protection No protection is ordinarily required under normal conditions of use and with adequate ventilation. If vapor or mist is generated by heating, spraying, etc., wear an air purifying respirator with mist filter.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	None
Appearance	Clear	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting Point/Freezing Point	< -12°C / <10°F	
Boiling Point/Boiling Range	Not determined	
Flash Point	> 177°C /350°F	Cleveland Open Cup
Evaporation Rate	Not applicable	
Flammability (Solid, Gas)	Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	< 0.1 kPa @ 20°C	
Vapor Density	Not determined	
Specific Gravity	0.85	
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Log POW: >6	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	

Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not chemically reactive.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children. Keep from freezing. Keep away from heat, flame and other potential ignition sources.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

Thermal decomposition may result in carbon dioxide, carbon monoxide, smoke, fumes.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil 8042-47-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5 mg/kg (Rat)

Information on Physical, Chemical and Toxicological Effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity	Not classifiable as a human carcinogen.
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Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not toxic to fish but may coat gill structures resulting in suffocation.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Mineral Oil 8042-47-5	EC50 > 1000 mg/L 96hr	LC50 > 1000 mg/L	-	EC50 > 100 mg/L 48hr Daphnia magna

Persistence/Degradability

Not readily biodegradable.

Bioaccumulation

May bio-accumulate in aquatic organisms.

Mobility

Partition coefficient n-octanol/water > 4log Kow. May partition into air, soil and water.

Other Adverse Effects

No other adverse effects expected.

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**DOT**

Not regulated (Note: The provisions of 49 CFR, Part 130 apply for shipments over 3500 bulk gallons, requiring carrier emergency plans for spills and accidents).

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Canada – Domestic Substances List (DSL)

All ingredients are listed or exempt.

TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List***US Federal Regulations****CERCLA**

None listed.

SARA 311/312 Hazard Categories**Acute Health Hazard**

Yes

SARA 313

This material does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the reporting requirements of SARA (40 CFR 372).

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
None Listed				

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

Chemical Name	State List
None Listed	

AZ- Arizona Ambient Air Quality Guidelines
 CT- Connecticut Hazardous Air Pollutants
 CA- California Director's List of Hazardous Substances
 CAP65- California Prop65
 FL- Florida Substances List
 ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant- Carcinogenic
 MA – Massachusetts Right to Know List
 MN – Minnesota Hazardous Substances List
 NJ – New Jersey Right to Know List
 PA – Pennsylvania Right to Know List
 RI – Rhode Island Hazardous Substances List

16. OTHER INFORMATION

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

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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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet