

## SAFETY DATA SHEET

Preparation Date: 12/21/2015

Revision date 11/20/2018

Revision Number: G2

### 1. IDENTIFICATION

#### Product identifier

**Product code:** MI500  
**Product Name:** MINERAL OIL, HEAVY VISCOSITY RANGE, USP

#### Other means of identification

**Synonyms:** No information available  
**CAS #:** 8012-95-1  
**RTECS #** PY8030000  
**CI#:** Not available

#### Recommended use of the chemical and restrictions on use

**Recommended use:** Lubricant. Medication.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>  
**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is not considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### Label elements

Not classified

#### Hazards not otherwise classified (HNOC)

Not Applicable

#### Other hazards

Not available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:	CAS No.	Weight-%
Mineral Oil, heavy	8012-95-1	100

### 4. FIRST AID MEASURES

#### First aid measures

<b>General Advice:</b>	National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.
<b>Eye Contact:</b>	Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	May cause eye irritation May cause skin irritation Thirst May cause diarrhea Vomiting May cause abdominal discomfort
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#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician:** Treat symptomatically.

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Unsuitable Extinguishing Media:** Do not use a solid (straight) water stream as it may scatter and spread fire.

#### Specific hazards arising from the chemical

**Hazardous combustion products** Carbon Monoxide, Carbon Dioxide.

**Specific hazards:** May be combustible at high temperatures.

#### Special Protective Actions for Firefighters

**Product code:** MI500

**Product name:** MINERAL OIL,  
HEAVY VISCOSITY RANGE, USP

**Page**

**Specific Methods:**

For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out

**Special Protective Equipment 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:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

**Methods for cleaning up** Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. All equipment used when handling the product must be grounded. Remove all sources of ignition. Keep away from incompatible materials.

**Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. Do not smoke. Keep away from open flames, hot surfaces and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Protect from light. Sensitive to light. Store in light-resistant containers.

**Incompatible Materials:**

Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### National occupational exposure limits

**United States**

Formula:	CAS No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Mineral Oil, heavy	8012-95-1	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL	5 mg/m <sup>3</sup> TWA inhalable particulate	None

				matter	
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### Canada

Formula:	CAS No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Mineral Oil, heavy	8012-95-1	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL	0.2 mg/m <sup>3</sup> TWA 1 mg/m <sup>3</sup> TWA	None	None

### Australia and Mexico

Formula:	CAS No.	Australia	Mexico
Mineral Oil, heavy	8012-95-1	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL

### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

### Individual protection measures, such as personal protective equipment

#### Personal Protective Equipment

##### Eye protection:

Goggles

##### Skin and body protection:

Chemical resistant apron  
Long sleeved clothing  
Gloves

##### Respiratory protection:

Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

##### Hygiene measures:

Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical state:

Liquid

#### Appearance:

Oily. Viscous.

#### Color:

Water-white. Colorless.

#### Odor:

Odorless.

#### Taste

No information available.

#### Formula:

No information available

#### Molecular/Formula weight (g/mole):

No information available

#### Flammability (solid, gas)

no data available

#### Flash point (°C):

>115

#### Flashpoint (°C/°F):

>115 °C/239 °F  
193 °C/379 °F

#### Flash Point Tested according to:

Open cup

#### Autoignition Temperature (°C/°F):

260-371.1 °C/500-700 °F

#### Lower Explosion Limit (%):

No information available

#### Upper Explosion Limit (%):

No information available

#### Melting point/range(°C/°F):

No information available

Product code: MI500

Product name: MINERAL OIL,  
HEAVY VISCOSITY RANGE, USP

Page

**Decomposition temperature(°C/°F):** No information available  
**Boiling point/range(°C/°F):** >230°C/446°F  
218-643 °C/424.4-1189 °F

**Bulk density:**  
No information available

**Density (g/cm3):**  
No information available

**Specific gravity:**  
0.845-0.905

**pH**  
No information available

**Vapor pressure @ 20°C (kPa):**  
<0.1

**Evaporation rate:**  
No information available

**Vapor density:**  
No information available

**VOC content (g/L):**  
No information available

**Odor threshold (ppm):**  
No information available

**Partition coefficient (n-octanol/water):**  
>6.0

**Viscosity:**  
34.5-150.0 mm2/s @ 40°C

**Miscibility:**  
No information available

**Solubility:**  
Soluble in most organic solvents  
Insoluble in water

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with strong oxidizing agents

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials. Exposure to light.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous decomposition products:** Carbon oxides.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Skin. Ingestion.

### Acute Toxicity

### Component Information

Mineral Oil, heavy

CAS No. 8012-95-1

**LD50/oral/rat =** > 24 g/kg Oral LD50 Rat

**LD50/oral/mouse =** 22 g/kg Oral LD50 Mouse

**Product code:** MI500

**Product name:** MINERAL OIL,  
HEAVY VISCOSITY RANGE, USP

**Page**

LD50/dermal/rabbit = No information available  
LD50/dermal/rat = No information available  
LC50/inhalation/rat = 2062 ppm Inhalation LC50 Rat 4 h  
LC50/inhalation/mouse = No information available  
Other LD50 or LC50 information = No information available

## Product Information

LD50/oral/rat =  
Value > 24000 mg/kg

LD50/oral/mouse =  
Value - Acute Tox Oral = >22000 mg/kg

LD50/dermal/rabbit  
Value No information available

LD50/dermal/rat  
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat  
VALUE-Gas = 2062 ppm (4-hr)

LC50/Inhalation/mouse  
VALUE-Vapor = No information available  
VALUE - Gas = No information available  
VALUE - Dust/Mist = No information available

## Symptoms

**Skin Contact:** May cause skin irritation. Although this material is not known to be an irritant, it may be mildly irritating in sensitive individuals.

**Eye Contact:** May cause eye irritation. May cause slight temporary eye irritation.

**Inhalation** Not expected to be an inhalation hazard. May cause respiratory tract irritation. Symptoms may include coughing and shortness of breath. It is not expected to be an inhalation hazard during usual industrial handling and at ambient conditions unless it is misted or aerosolized. Caution should be taken to prevent aerosolization or misting. If aspiration occurs upon inhalation of mist or aerosol, it may lead to chemical or lipid pneumonitis, aspiration or lipid pneumonia, and pulmonary edema.

**Ingestion** Regarded as essentially non-toxic. May cause abdominal discomfort. May cause stomach cramping. It can have a purging or laxative effect. May cause vomiting. May cause diarrhea. May cause thirst.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Prolonged or repeated ingestion may affect the liver. Prolonged or repeated ingestion may cause loss of appetite. Regular ingestion of mineral oil during pregnancy may reduce absorption of Vitamin K and produce hypoprothrombinemia in the newborn. Heavy exposure to oil mist in the absence of adequate ventilation may cause lipid pneumonia. It may also cause slight basal lung fibrosis.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not classifiable as a human carcinogen.

Formula:	CAS No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Mineral Oil, heavy	8012-95-1	Not listed	A4 Not Classifiable as a Human Carcinogen A2 Suspected Human Carcinogen	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*IARC (International Agency for Research on Cancer)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**Reproductive toxicity** No data is available

**Reproductive Effects:** No information available

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target Organs:** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal Do not re-use empty containers

Dispose of as unused product.

Formula:	CAS No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Mineral Oil, heavy	8012-95-1	None	None	None	None

## 14. TRANSPORT INFORMATION

### DOT

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Class:** No information available  
**Packing group:** No information available  
**Emergency Response Guide Number:** No information available  
**Marine Pollutant:** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions:** No Information available  
**Symbol(s):** No information available  
**Description:** No information available

### TDG (Canada)

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant:** No Information available  
**Description:** No information available

### ADR

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Packing Group:** No information available  
**Subsidiary Risk:** No information available

### IMO / IMDG

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant:** No information available

### RID

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

### ICAO

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available



**Subsidiary Risk:** No information available  
**Packing Group:** No information available

**IATA**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**ERG Code:** No information available  
**Special Provisions** No information available

**15. REGULATORY INFORMATION**

**International Inventories**

Formula:	CAS No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Mineral Oil, heavy	8012-95-1	PresentACTIV E	Present KE-27767	Present	Not present	Present	Present	Present 232-384-2

**U.S. Regulations**

*Mineral Oil, heavy*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 1437  
 4004  
**Pennsylvania RTK:** Present  
**Minnesota - Hazardous Substance List:** Present  
**California Directors List of Hazardous Substances:** Present

**FDA - Direct Food Additives** 21 CFR 172.878, 21 CFR 173.340  
**FDA - 21 CFR - Total Food Additives** 172.842, 172.878, 173.340, 175.105, 175.210, 175.230, 175.300, 176.170, 177.1200,  
**- List Sourced from EAFUS** 177.2260, 177.2600, 177.2800, 178.2010, 178.3570, 178.3740, 178.391

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Formula:	CAS No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Mineral Oil, heavy	8012-95-1	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Formula:	CAS No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Mineral Oil, heavy	8012-95-1	None	None	None	None	None

**U.S. TSCA**

Formula:	CAS No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting

**Product code:** MI500

**Product name:** MINERAL OIL,  
 HEAVY VISCOSITY RANGE, USP

**Page**

Mineral Oil, heavy	8012-95-1	Not Applicable	Not Applicable
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## Canada

### WHIMIS 2015 - GHS Classifications

WHIMIS 2015 Hazard Classification Information: Not a dangerous product according to HPR classification criteria.

Component Mineral Oil, heavy 8012-95-1 ( 100 )	WHMIS 2015 Hazard Classification Not a dangerous product according to HPR classification criteria
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**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

<b>Formula:</b>	<b>WHMIS Ingredient Disclosure List -</b>
Mineral Oil, heavy	1 %

### Inventory

Formula:	CAS No.	Canada (DSL)	Canada (NDSL)
Mineral Oil, heavy	8012-95-1	Present	Not Listed

<b>Formula:</b>	CAS No.	CEPA Schedule I - Toxic Substances
Mineral Oil, heavy	8012-95-1	Not listed
<b>Formula:</b>	CAS No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Mineral Oil, heavy	8012-95-1	Not listed

### EU Classification

#### EU GHS - SV - CLP 1272/2008

Formula:	CAS No.	EU GHS - SV - CLP (1272/2008)
Mineral Oil, heavy	8012-95-1	

#### EU - CLP (1272/2008)

#### **R-phrase(s)**

not determined (not applicable)

#### **S-phrase(s)**

none

Formula:	CAS No.	Classification	Concentration Limits:	Safety Phrases
Mineral Oil, heavy	8012-95-1		No information	

**The product is classified in accordance with Annex VI to Directive 67/548/EEC**

#### Indication of danger:

None.

## 16. OTHER INFORMATION

**Preparation Date:** 12/21/2015  
**Revision date** 11/20/2018  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**