

accordance with all applicable regulations.

### **6.3. Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Dispose of in accordance with all federal, state, and local environmental regulations.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Handling**

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

#### **In Storage**

Store in a dry location at room temperature.

Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep away from strong oxidizing and reducing agents.

**CAUTION!!!** Do not use cutting or welding torches on drums when empty. Do not reuse container. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

### **7.3. Specific end use(s)**

There are no exposure scenarios, see details in section 1.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

The following occupational exposure limits have been established.

CAS Number	Ingredient	Source	Value
0008042-47-5	Mineral oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0008042-47-5	Mineral oil	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

#### DNEL/PNEC values

No Data Available

### 8.2. Exposure controls

No special requirements under ordinary conditions of use and with adequate ventilation.

#### Eye/face protection

Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

#### Skin protection

Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

#### Other

Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.

#### Respiratory protection

Use NIOSH/OSHA approved respirator where high vapor concentrations are present.

**Thermal hazards**  
No Data Available

**SECTION 9: Physical and chemical properties**

<b>Appearance</b>	COLORLESS OILY LIQUID
<b>Odor</b>	negligible
<b>Odor threshold</b>	Not Determined
<b>pH</b>	Not Measured
<b>Melting point / freezing point (C)</b>	Not Determined
<b>Initial boiling point and boiling range (C)</b>	Not Measured
<b>Flash point (C)</b>	220
<b>Evaporation rate (H20 = 1)</b>	Not Determined
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Lower Explosive Limit:</b>	Not Determined
<b>Upper Explosive Limit:</b>	Not Determined
<b>Vapor pressure (Pa)</b>	Not Determined
<b>Vapor density</b>	Heavier than air.
<b>Relative density</b>	0.855
<b>Solubility(ies)</b>	negligible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Determined
<b>Auto-ignition temperature (C)</b>	Not Determined
<b>Decomposition temperature</b>	Not Determined
<b>Viscosity (cSt)</b>	
<b>@ 100 C</b>	Not Measured
<b>@ 40 C</b>	22 cSt
<b>Pour point temperature (C)</b>	Not Determined
<b>Volatile Organic Compounds</b>	Not Determined
<b>SADT</b>	Not Determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

**9.2. Other information**

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Material is normally stable at ambient temperature and pressure.

### 10.3. Possibility of hazardous reactions

May react with: oxidizing agents.

### 10.4. Conditions to avoid

High temperature, sparks, and open flames.

### 10.5. Incompatible materials

Keep away from strong oxidizing and reducing agents.

### 10.6. Hazardous decomposition products

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

## SECTION 11: Toxicological information

### Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapor LD50, mg/L/4hr
Mineral oil - (0008042-47-5)	15000 mg/kg Rat	Not Available	Not Available

Classification	Category	Hazard Description
Acute toxicity (oral)	Not Classified	Not Applicable
Acute toxicity (dermal)	Not Classified	Not Applicable
Acute toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Serious eye damage/irritation	Not Classified	Not Applicable
Respiratory sensitization	Not Classified	Not Applicable
Skin sensitization	Not Classified	Not Applicable

Germ cell mutagenicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive toxicity	Not Classified	Not Applicable
STOT-single exposure	Not Classified	Not Applicable
STOT-repeated exposure	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## SECTION 12: Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Mineral oil - (0008042-47-5)	10.00, <i>Lepomis macrochirus</i>	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

## SECTION 14: Transport information

<b>14.1. UN number</b>	Not applicable
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	
<b>US DOT Label</b>	Not regulated
<b>ADR/RID</b>	Not regulated
<b>IMDG</b>	Not regulated
<b>Sub Class</b>	Not applicable
<b>ICAO/IATA</b>	Not regulated
<b>14.4. Packing group</b>	Not applicable
<b>14.5. Environmental hazards</b>	
<b>ADR/RID</b>	Environmentally Hazardous: Yes - Not regulated
<b>IMDG</b>	Marine Pollutant: Yes (Marine Pollutant) - Not regulated
<b>14.6. Special precautions for fire</b>	No further information
<b>14.7. Transport in bulk according to Annex 3 of MARPOL 78 and the IBC Code</b>	Not Applicable

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions. Shipping description may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. For information specific to your situation, consult your company's Hazardous Materials/Dangerous Goods expert.

## SECTION 15: Regulatory information

**National Legislation**

United States:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**SARA 311/312 (>0.1%):** Not applicable

**SARA 313 (>0.1%):** Not applicable

**CERCLA (>0.1%):** Not applicable

**Inventory - Canada - Non-Domestic Substances List (NDSL):** Not applicable

**California Proposition 65 Cancer:** Not applicable

**California Proposition 65 Developmental:** Not applicable

**California Proposition 65 Female Reproductive:** Not applicable

**California Proposition 65 Male Reproductive:** Not applicable

**Inventory - Australia - Inventory of Chemical Substances (AICS):**

Mineral oil

**Inventory - Japan Existing New Chemical Substances (ENCS):**

Mineral oil ( )

**Korean Existing Chemicals Inventory:**

Mineral oil

**Inventory of Existing Chemical Substances in China:**

Mineral oil

**Philippines Inventory of Chemicals and Chemical**

**Substances (PICCS) :**

Mineral oil

**Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act :** Not applicable

**EU REACH: Annex XVII, Dangerous Substances and Preparations:** Not applicable

**Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS):**

Mineral oil (232-455-8)

**EU List of Notified Chemical Substances (ELINCS):** Not applicable

**Risk Phrases**

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SECTION 16: Other information**

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The full text of the phrases appearing in section 3 is:

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