

# Material Safety Data Sheet



## 1. Product and Company Identification

Effective Date: 03/16/06

Revision: 2

Hatcol 2960

MSDS No. 2002073

Principal Use: Lubricant

Hatco Corporation  
1020 King Georges Post Road  
Fords, NJ 08863 USA

Tel: 732-738-1000 (Emergency & Information)

Fax: 732-738-3944

## 2. Composition/Information on Ingredients

### Ingredients:

### OSHA PEL

Pentaerythritol tetraesters with mixed fatty acids

Not Listed

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 3. Hazards Identification

### Emergency Overview:

### Appearance:

Clear liquid; characteristic ester odor

### Physical Hazards:

Non-hazardous

### Health Hazards:

Irritant (skin and eyes)

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

### General:

This health hazard assessment based on information from commercial and scientific literature.

### Ingestion:

Low to medium toxicity.

### Eye Contact:

May be an eye irritant.

### Skin Contact:

May be a skin irritant.

# Material Safety Data Sheet



---

**Skin Absorption:**

The components of this product are not known to be absorbed through intact skin.

**Inhalation:**

No data.

---

**4. First Aid Measures:****First Aid – Eyes:**

Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.

**First Aid – Skin:**

Wash the material off the skin with soap and plenty of water. If redness, itching or a burning sensation develops, get medical attention.

**First Aid – Ingestion:**

Do not induce vomiting. Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

**First Aid – Inhalation:**

Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

---

**5. Fire Fighting Measures****Flashpoint and Method:**

475°F Minimum (C.O.C.)

**Auto-ignition Temperature:**

Not applicable

**Flammable Limits:**

No data

**Extinguishing Media:**

Foam, carbon dioxide, dry chemicals. Use water spray to cool surface of containers.

**Exposure Hazards:**

Avoid breathing fumes, vapors or mists.

**Unusual Fire:**

Water may cause frothing.

**Protective Equipment:**

Use self-contained breathing apparatus.

**Other Information:**

Avoid contact with fire and sparks.

---

**6. Accidental Release Measures****Personal Precautions:**

Wear appropriate eye, skin and respiratory protective equipment.

**Environmental Precautions:**

Prevent from getting into sewer and waterways. Notify proper authorities.

**Methods for Cleaning:**

Dike or contain spill. Apply absorbent. Put in container. Close container and remove from work area.

# Material Safety Data Sheet



## 7. Handling and Storage

### Handling:

For industrial use only. Wash with soap and water after contact. Avoid ingestion. Practice good personal hygiene. Use neoprene gloves, chemical splash goggles and use an approved (NIOSH) organic vapor cartridge respirator.

### Fire Explosion Prevention:

Keep away from sources of ignition.

### Storage:

Store in cool, dry place.

### Other Information:

None

## 8. Exposure Controls/Personal Protection

### Exposure Guidelines:

No OSHA PEL or ACGIH TLV have been assigned to this product. Hatco recommends a TLV of 5 mg/m<sup>3</sup> as a precautionary measure.

### Engineering Measures:

Use ventilation adequate to maintain safe levels. Provide eye wash station and safety shower in work area.

### Personal Protect/Precautions:

Use NIOSH approved organic vapor cartridge respirator. Wear chemical splash goggles, neoprene gloves, neoprene apron, long sleeved shirt and pants, safety shoes and hard hat. Wash with soap and water after contact. Avoid ingestion. Practice good personal hygiene.

## 9. Chemical and Physical Properties

### Appearance:

Clear liquid; characteristic ester odor

### Boiling Point:

399°C at 3.98kPa

### Melting Point:

Not applicable

### Vapor Pressure:

3.0 Pa at 20°C

### Vapor Density:

0.99 g/cm<sup>3</sup> at 20°C

### Solubility in Water:

<0.1% @ 25°C

### pH-value:

Not applicable

### Specific Gravity (Water=1):

0.99 @ 60°F

### % Volatile:

No data

# Material Safety Data Sheet



## 10. Stability and Reactivity

<u>Stability:</u>	Stable under normal conditions.
<u>Conditions to Avoid:</u>	High temperature
<u>Materials to Avoid:</u>	Strong acids or strong bases
<u>Haz. Decomposition Products:</u>	Carbon monoxide, carbon dioxide
<u>Haz. Polymerization:</u>	Will not occur

## 11. Toxicological Information

Possible Human Health Effects:

<u>Inhalation:</u>	No data
<u>Skin Contact:</u>	May be a skin irritant.
<u>Eye Contact:</u>	May be an eye irritant.
<u>Ingestion:</u>	Low to medium toxicity.
<u>Other Effects of Overexposure:</u>	None known
<u>Note to Physician:</u>	Not applicable

## 12. Ecological Information

Care should be taken to minimize release of this product into the environment.

<u>Acute Toxicity to Fish:</u>	LL50: >100mg/L
<u>Daphnia Magna Acute Toxicity:</u>	EL50: >100 mg/L
<u>Effect Concentration on Algae:</u>	EL50: >100 mg/L
<u>Ready Biodegradability:</u>	Not ready (62%)
<u>Respiration Inhibition:</u>	3-h EC50: >1,000 ppm
<u>Adsorption/Desorption:</u>	Log Koc >= .563
<u>Abiotic Degradability-Hydrolysis :</u>	Not measurable

## 13. Disposal Consideration

<u>Product:</u>	Discarded product is not a hazardous waste under RCRA, 40 CFR 261.
<u>Packing:</u>	Empty container retains product residue. Observe all hazard precautions. Wear skin, eye and respiratory protection when handling (See Section 8). Do not

# Material Safety Data Sheet



distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

## 14. Transport Information

**DOT Hazard Description:** Not regulated

## 15. Regulatory Information

**TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:**

All ingredients are listed on the TSCA Chemical Substances Inventory.

**CERCLA and SARA Regulations (40 CFR 355, 370, 372):**

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

**California Proposition 65:**

None

## 16. Other Information

The information given in this Material Safety Data Sheet is related to the product as stated in Section 2 and is supplied with the assumption that the substance will be used for the purpose as indicated by the supplier. The information stated is based on our current knowledge and, if necessary, will be regularly updated.

It is the responsibility of the user to ensure that the stated precautions are taken, and to make sure that the information is complete and sufficient for handling the product. It is recommended to supply the information from this safety data sheet, if necessary in another form, to personnel/party concerned.

### **HMIS and NFPA Ratings**

<b><u>Hazard:</u></b>	<b><u>HMIS Ratings:</u></b>	<b><u>NFPA Rating:</u></b>
<b><u>Health:</u></b>	1	1
<b><u>Flammability:</u></b>	1	1
<b><u>Reactivity:</u></b>	0	0

# Material Safety Data Sheet



## HMIS and NFPA Ratings

**0 – Least**

**1 – Slight**

**2 – Moderate**

**3 – High**

**4 - Severe**