

HPO[®]Version 1.5
Revision Date 02/23/2009

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : HPO[®]
MSDS Number : REL_4405

Company : Chemetall US, Inc.
675 Central Avenue
New Providence, NJ 07974

Telephone : +18005264473
Telefax : +19084644658
Emergency telephone no : CHEMTREC - 800-424-9300

SECTION 2. HAZARDOUS COMPONENTS INFORMATION

Component	CAS-No.	Weight %
Hydrotreated heavy naphthenic petroleum distillate	64742-52-5	60.00 - 70.00
Kerosene	8008-20-6	15.00 - 25.00
Barium sulfonate	61790-48-5	10.00 - 20.00
2-Butoxy ethanol	111-76-2	1.00 - 5.00

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

SECTION 3. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid
Colour : brown
Odour : pungent
Hazard Summary : Combustible material Causes irritation of eyes and skin. Also harmful by inhalation and if swallowed.

Route(s) of Entry	Inhalation	Skin	Ingestion
	yes	yes	yes

Carcinogenicity:

NTP No substance in this product is listed by NTP as a carcinogen
IARC No substance in this product is listed by IARC as a carcinogen
OSHA No substance in this product is regulated by OSHA as a carcinogen

SECTION 4. FIRST AID MEASURES

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Inhalation	:	Remove to fresh air. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
Skin contact	:	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact	:	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
Ingestion	:	Rinse mouth. Drink plenty of water. Obtain medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Flash point	:	76.7 °C (170.1 °F) Tag closed cup
Lower explosion limit	:	Note: no data available
Upper explosion limit	:	Note: no data available
TDG Flammability Class	:	NONE
Suitable extinguishing media	:	Carbon dioxide (CO2) Dry chemical Foam
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Ventilate the area. Remove all sources of ignition.
Methods for cleaning up	:	Soak up with inert absorbent material.
Additional advice	:	Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE**Handling**

Handling	:	Avoid atomization Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
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Storage

Requirements for storage areas and containers : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place
Keep away from open flames, hot surfaces and sources of ignition.
Keep container out of sun and away from heat.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Hydrotreated heavy naphthenic petroleum distillate	5 mg/m3 As mineral oil mistN.D.	5 mg/m3 As mineral oil mistN.D.
Kerosene	N.D.	N.D.
Barium sulfonate	0.5 mg/m3 soluble compounds as BaN.D.	0.5 mg/m3 soluble compounds as BaN.D.
2-Butoxy ethanol	20 ppm N.D.	50 ppm N.D.

Eye protection : Chemical resistant goggles must be worn.

Hand protection : Impervious gloves

Skin and body protection : Rubber or plastic apron

Respiratory protection : If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.

Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH : Note: no data available

Freezing point : Note: no data available

Boiling point/boiling range : Note: no data available

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Vapour pressure	: Note: no data available
Bulk density	: 7.4 lb/gal
Water solubility	: Note: insoluble
Partition coefficient: n-octanol/water	: Note: no data available
Percent of Volatile by Weight excluding water	: 19.6
Relative density	: 0.890
Evaporation rate	: Note: (Butyl Acetate=1) Less than 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks. Exposure to sunlight.
Materials to avoid	: Acids Strong oxidizing agents
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.

Acute oral toxicity

Hydrotreated heavy naphthenic petroleum distillate : LD, rat
Dose: > 5,000 mg/kg

Kerosene : LD₅₀, rabbit
Dose: 28,000 mg/kg

2-Butoxy ethanol : LD₅₀, rat
Dose: 1,480 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Not Available

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SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

Refer to Bill of Lading.

SECTION 15. REGULATORY INFORMATION

TSCA Status : All components of this material comply with US TSCA requirements.

SARA 313 Components : Barium sulfonate CAS-No. 61790-48-5
: 2-Butoxy ethanol CAS-No. 111-76-2

SARA 313 Components : N.D.

CERCLA Reportable Quantity : N.D.

California Prop. 65 : N.D.

NFPA : 2 2 1

HMIS : 2 2 1 H

WHMIS : D2B: Toxic Material Causing Other Toxic Effects
B3: Combustible Liquid

SECTION 16. OTHER INFORMATION**Further information**

Chemetall US, Inc. warrants that the products described herein will conform with its published specifications. The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.

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