

MATERIAL SAFETY DATA SHEET

Heating Bath Oil

SECTION 1 . Product and Company Identification

Product Name and Synonym: Heating Bath Oil

Product Code: 130-78-25

Material Uses:

Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (832) 320-7300
Fax: (713) 880-9886

Entry Date : 5/5/2010

Print Date: 7/28/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1			
Flammability:	1			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Inhalation: No significant adverse health effects are expected to occur upon short-term exposure.

Ingestion: If swallowed, large volume of material can cause generalized depression, headache, drowsiness, nausea, vomiting and diarrhea. Smaller doses can cause a laxative effect. If aspirated into lungs, liquid can cause lung damage.

Skin: This product can cause mild, transient skin irritation with short-term exposure.

Eye Contact: This product can cause transient mild eye irritation with short-term contacts with liquid sprays or mists

Chronic Health Effects Summary: Contains a petroleum-based mineral oil. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable work place exposure levels can cause respiratory irritation or other pulmonary effects.

Carcinogenic References: This product does not contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP.

Aggravated by Exposure: Medical conditions aggravated by exposure to this material may include pre-existing skin disorders

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Hytherm Oil, 46 Heating Bath Oil		100%	W/W	OSHA TWA 5 mg(mist)/m ³

SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

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FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. If symptoms persist, seek medical aid. INHALATION: Remove to fresh air. If symptoms persist seek medical attention.

If large amounts are swallowed give water to drink and seek medical aid.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.

Fire / Explosion Hazards: Fire possible at elevated temperatures.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Remove all sources of ignition. Dispose of in a manner consistent with federal, local law.

Accidental Release: Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment.

Spilling hazard; do not walk through spilled material. For small spills, absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal. Contain large spills to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spills as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used. Comply with all laws and regulations.

Comment: This Product is Oil in the Context of the U.S. Clean Water Act. Spills to U.S. Surface Waters, or to the Watercourses or Sewers Leading to U.S. Surface Waters that Cause a Visible Sheen Must Be Reported to the National Response Center.

Environmental Fate: No information found.

SECTION 7 HANDLING AND STORAGE

Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Gloves to prevent exposure

Eye Protection: Safety Glasses w/
Side Shields

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Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Information not available	Percent Volatile by Volume:	0
Boiling Point:	Information not available	Evaporation Rate	Information not available
Vapor Pressure:	< 0.1 mm Hg @ 20 deg C	Evaporation Standard	
Vapor Density:	> 1 (air = 1)	Auto Ignition Temp	Information not available
Solubility in Water:	Insoluble	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	amber/petroleum oClear, colorless, odorless liquid	Upper Flamm. Limit in Air	Information not available
Flash Point:	234°C (453°F)		
Specific Gravity:	0.87		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Temperature extremes
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Oxides of carbon
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Distillates, petroleum, solvent-refined heavy paraffinic
ORAL (LD50): Acute: >5000 mg/kg [Rat].
DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].
Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

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SECTION 12 Ecological Information

Ecotoxicity: Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

Environmental Fate: An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

SECTION 13 Disposal Considerations

Conditions of use may cause this material to become a "hazardous waste", as defined by federal or state regulations. It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive. Contact your regional US EPA office for guidance concerning case specific disposal issues.

SECTION 14 Transport Information

DOT Classification: Not Regulated

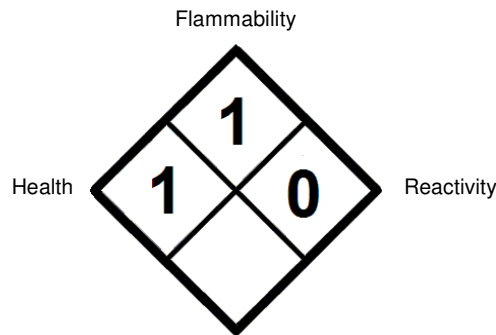
DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

TSCA Status: The ingredients of this product are listed on the TSCA Inventory.

SECTION 16 Additional Information

Effects of exposure: Inhalation hazard low except when misted/heated, which may result in irritation. Chronic exposure has caused lipoid pneumonia, fibrosis and paraffinoma. Prolonged contact may cause various skin disorders.



Revisions

7/26/2010	0.1	updated msds to 16 section from 10 section msds. STN
	0	

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