

## MATERIAL SAFETY DATA SHEET

MAGNAFLUX® PREPARED BATH 7HF

### 1. IDENTIFICATION

*Company:* MAGNAFLUX  
*Address:* 3624 West Lake Avenue, Glenview, Illinois 60026  
*Telephone No.:* 847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).  
*Product Use:* Magnetic particle inspection.  
*Packages:* Aerosols.  
*NFPA Rating:* Health 1, Flammability 4, Reactivity 0  
*PIN (Canada):* None  
*Revision Date:* April 16, 2010

### 2. INGREDIENTS

<i>Ingredient</i>	<i>Wt./Wt. %</i>	<i>CAS #</i>	<i>TLV</i>	<i>PEL</i>	<i>LD<sub>50</sub></i>	<i>LC<sub>50</sub></i>
White mineral oil (petroleum)	60-100	8042-47-5 or 64742-47-8	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	not avail.	not avail.
Liquefied petroleum gases (propellant)	30	68476-86-8	not avail.	1000 ppm	not avail.	not avail.

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
**Extremely flammable aerosol. Bland oily liquid which may irritate the skin.**

#### POTENTIAL HEALTH EFFECTS

*Skin Contact:* May irritate by removing natural skin oils on long or repeated exposures.  
*Eyes:* Possibly irritating.  
*Inhalation:* Isobutane vapors may cause dizziness and nausea.  
*Ingestion:* Not significant in small (mouthful) amounts.  
*Medical conditions known to be aggravated by exposure to product:* None

### 4. FIRST AID

*Skin Contact:* Wash off with soap and water. Use soothing lotion.  
*Eyes:* Rinse carefully under upper and lower eyelids using plenty of water.  
*Inhalation:* Remove to fresh air if dizzy or nauseated.  
*Ingestion:* Do not induce vomiting. Accidental ingestion of a single mouthful is not expected to cause significant harm.

**NOTE:** In all severe cases, contact physician immediately. Local telephone operators can furnish number of regional poison control center.

### 5. FIRE HAZARD

*Conditions of flammability:* Spraying near flames or arcs will ignite the spray mist.  
*Flash point (Bulk):* Not applicable.  
*Flammable limits in air:* 1% to 6%  
*Extinguishing media:* Carbon dioxide, foam.  
*Special fire fighting procedures:* Keep containers cool with water spray. Do not spray water on burning 7HF. It will float and spread the fire.  
*Hazardous combustion products:* Smoke, soot, oxides of carbon.  
*Unusual fire hazards:* Aerosol cans may burst if heated above 130°F (54°C) and spray contents into a fire.

### 6. ACCIDENTAL RELEASE MEASURES

Mop up or sweep up with absorbent. (For disposal, see Section 13.)

### 7. HANDLING AND STORAGE

Avoid breathing spray mist.  
Avoid repeated or prolonged skin contact.  
Do not spray around arcs or flames.  
Store away from heat sources.  
Storage Level 3 Aerosols per NFPA 30B

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

*Controls:* Use where ventilation will carry spray mist away from occupied areas.  
*Personal protection:* Wear nitrile rubber gloves if hand exposure is unavoidable.

9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	Min. 455° F (235° C) (ASTM D-86)	<i>Vapor pressure:</i>	Aerosol: 65 psi @ 75°F (24°C)
<i>VOC Content (EPA Method 24):</i>	795 g/L	<i>Vapor density:</i>	2
<i>Density/sp. gravity:</i>	0.82	<i>Evaporation rate:</i>	Not applicable
<i>Water solubility:</i>	0	<i>Appearance:</i>	Black, oily liquid
<i>pH:</i>	Neutral	<i>Odor:</i>	Mild oily odor

10. **STABILITY AND REACTIVITY**

*Stability:* Stable  
*Incompatibility:* None  
*Hazardous decomposition products:* When burning, soot, carbon oxides.  
*Reactivity:* None

11. **TOXICOLOGICAL INFORMATION**

*Carcinogenicity:* Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.  
*Threshold limit value (Bulk):* 5 mg/m<sup>3</sup> for oily mist.  
*WHMIS information (Canada):* According to available information, the ingredients have not been found to show reproductive toxicity, teratogenicity, mutagenicity, skin sensitization, or synergistic toxic effects with other materials.

12. **ECOLOGICAL INFORMATION**

No data is available on 7HF. It floats on water and can be skimmed off. Isobutane is not an ozone depleter.

13. **DISPOSAL**

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

14. **TRANSPORTATION**

**U.S. DOT: 49 CFR 172.101 Hazardous Materials Table**

	<u>Aerosol</u>
<i>Proper shipping name:</i>	Consumer Commodity
<i>Hazard class or division:</i>	ORM-D
<i>Identification No.:</i>	None
<i>Packing Group:</i>	None

**IATA: List of Dangerous Goods**

	<u>Aerosol</u>
<i>Proper shipping name:</i>	Aerosols, flammable
<i>Hazard class or division:</i>	2.1
<i>Identification No.:</i>	UN1950
<i>Packing Group:</i>	-

**IMDG: General Index**

	<u>Aerosol</u>
<i>Proper shipping name:</i>	AEROSOLS
<i>Hazard class or division:</i>	2.1
<i>Identification No.:</i>	UN1950
<i>Packing Group:</i>	-

15. **REGULATORY INFORMATION**

*TSCA:* All ingredients are listed in TSCA inventory.  
*CERCLA:* Not reportable  
*SARA TITLE III, Section 313:* No reportable ingredients  
*California Proposition 65:* Warning: This material may contain trace amounts of chemicals known to the state of California to cause cancer and/or birth defects and/or reproductive harm  
*WHMIS Class (Canada):* Aerosol: A, B-5.  
**Note:** This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. **OTHER INFORMATION**

*Revision Statement:* Section 7  
*Supersedes:* March 29, 2010  
*Prepared by:* Tamie Simmons, Research Manager