

# MATERIAL SAFETY DATA SHEET

MAGNAFLUX® PREPARED BATH 9CM

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:* Aerosol  
*NFPA Rating:* Health 1, Flammability 4, Reactivity 0  
*PIN (Canada):* None  
*Revision Date:* April 13, 2007

2. **HAZARDOUS INGREDIENTS**

<u>Ingredient</u>	<u>Wt./Wt. %</u>	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
White mineral oil (petroleum)	60-100	8042-47-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	not avail.	not avail.
Isobutane (propellant)	30	75-28-5	not avail.	1000 ppm	not avail.	not avail.

3. **HAZARDS IDENTIFICATION**

<p style="text-align: center;"><b>EMERGENCY OVERVIEW</b> Extremely flammable aerosol. Bland oily liquid which may irritate the skin.</p>
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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:* Aerosol: 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 9CM. 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 flame.  
Store away from heat sources.

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**  
*Initial boiling point (bulk):* Min. 455°F (235°C) (ASTM D-86)      *Vapor pressure:* Aerosol: 65 psi @ 75°F (24°C)  
*VOC Content (EPA Method 24):* 795 g/L      *Vapor density:* 2  
*Density/sp. gravity:* 0.82      *Evaporation rate:* Not applicable  
*Water solubility:* 0      *Appearance:* Brown, oily liquid  
*pH:* Neutral      *Odor:* 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:* 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 9CM. It floats on water and can be skimmed off. Isobutane is not an ozone depleter.
13. **DISPOSAL**  
Empty aerosol cans before disposal.  
*RCRA:* Not a hazardous waste  
*U.S. EPA Waste Number:* None
14. **TRANSPORTATION**  
**U.S. DOT: 49 CFR 172.101 Hazardous Materials Table**  
*Proper shipping name:* Aerosol  
Consumer Commodity  
*Hazard class or division:* ORM-D  
*Identification No.:* None  
*Packing Group:* None  
  
**IATA: List of Dangerous Goods**      Aerosol  
*Proper shipping name:* Aerosols, flammable  
*Hazard class or division:* 2.1  
*Identification No.:* UN1950  
*Packing Group:* -  
  
**IMDG: General Index**      Aerosol  
*Proper shipping name:* AEROSOLS  
*Hazard class or division:* 2.1  
*Identification No.:* UN1950  
*Packing Group:* -
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:* Contains nothing on this list  
*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 9  
*Supersedes:* May 30, 2006  
*Prepared by:* Tamie Simmons, Research Manager