

MATERIAL SAFETY DATA SHEET

MAGNAGLO® PREPARED BATH 14AM

1. IDENTIFICATION

Company: MAGNAFLUX
Address: 3624 West Lake Avenue, Glenview, Illinois 60025
Telephone No.: 847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).
Product Use: Fluorescent magnetic particle inspection.
Packages: 5 gallon pail, aerosols.
NFPA Rating: Health 1, Flammability 1 (aerosol 4), Reactivity 0
PIN (Canada): None
Revision Date: February 12, 2004

2. HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>Wt./Wt. %</u>	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
White mineral oil (petroleum)	60-100	8042-47-5	5 mg/m ³	5 mg/m ³	not avail.	not avail.
**Isobutane (propellant)	30	75-28-5	not avail.	1000 ppm	not avail.	not avail.

**Aerosol only

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Bland oily liquid which may irritate the skin. Difficult to ignite, but will burn vigorously if engulfed in fire.
Aerosol is extremely flammable.

POTENTIAL HEALTH EFFECTS

Skin Contact: May irritate by removing natural skin oils on long or repeated exposures.
Eyes: Possibly irritating.
Inhalation: Not significant. Isobutane vapors or heated bulk 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: Bulk: Can ignite if heated above 200°F. Aerosol: Spraying near flames or arcs will ignite the spray mist.
Flash point (Bulk): Minimum 200°F (93°C) (Pensky-Martens closed cup).
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 14-AM. 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. Avoid eye contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls: None, unless applied as spray. Use where ventilation will carry spray mist away from occupied areas.
Personal protection: Wear nitrile rubber gloves if hand exposure is unavoidable.
Respirator with filter if sprayed in enclosed, unventilated space.

9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	Min. 455° F (235°C) (ASTM D-86)	<i>Vapor pressure:</i>	Bulk: <0.10mm @ 70°F(21°C) Aerosol: 60 psi @ 75°F (24°C)
<i>Percent volatile:</i>	None	<i>Vapor density:</i>	Heavier than air
<i>Density/sp. gravity:</i>	0.82	<i>Evaporation rate:</i>	Negligible
<i>Water solubility:</i>	0	<i>Appearance:</i>	Brown liquid
<i>pH:</i>	Neutral	<i>Odor:</i>	Mild oily odor

10. **STABILITY AND REACTIVITY**

<i>Stability:</i>	Stable
<i>Incompatibility:</i>	None
<i>Hazardous decomposition products:</i>	When burning, soot, carbon oxides.
<i>Reactivity:</i>	None

11. **TOXICOLOGICAL INFORMATION**

<i>Carcinogenicity:</i>	Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
<i>Threshold limit value:</i>	5 mg/m ³ for oily mist.
<i>WHMIS information (Canada):</i>	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 14AM. It floats on water and can be skimmed off. Its low bulk vapor pressure may exempt it from VOC restrictions. Isobutane is not an ozone depleter.

13. **DISPOSAL**

As a non-hazardous oily waste, incinerate or send to waste handler who can blend it into secondary fuels. Empty aerosols before disposal.

<i>RCRA:</i>	Not a hazardous waste
<i>U.S. EPA Waste Number:</i>	None

14. **TRANSPORTATION**

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

	<u>Bulk</u>	<u>Aerosol</u>
<i>Proper shipping name:</i>	None, not restricted	Consumer Commodity
<i>Hazard class or division:</i>	None	ORM-D
<i>Identification No.:</i>	None	None
<i>Packing Group:</i>	None	None

IATA: List of Dangerous Goods

	<u>Bulk</u>	<u>Aerosol</u>
<i>Proper shipping name:</i>	None, not restricted	Aerosols, flammable
<i>Hazard class or division:</i>	None	2.1
<i>Identification No.:</i>	None	UN1950
<i>Packing Group:</i>	None	-

IMDG: General Index

	<u>Bulk</u>	<u>Aerosol</u>
<i>Proper shipping name:</i>	None, not restricted	AEROSOLS
<i>Hazard class or division:</i>	None	2.1
<i>Identification No.:</i>	None	UN1950
<i>Packing Group:</i>	None	-

15. **REGULATORY INFORMATION**

<i>TSCA:</i>	All ingredients are listed in TSCA inventory.
<i>CERCLA:</i>	Not reportable
<i>SARA TITLE III, Section 313:</i>	No reportable ingredients
<i>California Proposition 65:</i>	Contains nothing on this list
<i>WHMIS Class (Canada):</i>	Bulk: Not a controlled product. 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**

<i>Revision Statement:</i>	Section 2
<i>Supersedes:</i>	MSDS dated February 14, 2003
<i>Prepared by:</i>	Tamie Simmons, R&D Manager