

MATERIAL SAFETY DATA SHEET

MAGNAGLO® MAGNETIC PARTICLE PREMIX 20B

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: To make an aqueous fluorescent magnetic particle bath.
Packages: 1 pound plastic jars, 15 pound and 30 pound plastic pails.
NFPA Rating: Health 1, Flammability 0, Reactivity 0.
PIN (Canada): None
Revision Date: January 25, 2012

2. INGREDIENTS

| <u>Ingredient</u> | <u>Wt./Wt. %</u> | <u>CAS #</u> | <u>TLV</u> | <u>PEL</u> | <u>LD₅₀</u> | <u>LC₅₀</u> |
|--------------------------|------------------|--------------|---------------------|----------------------|------------------------|------------------------|
| Borax | 60-100 | 1303-96-4 | 5 mg/m ³ | 10 mg/m ³ | 4.5g/kg (oral/rat) | Not avail. |
| Iron oxide | 5-10 | 1317-61-9 | 5 mg/m ³ | 5 mg/m ³ | >5g/kg (oral rat) | not avail. |
| Alcohols, C6-10, Ethoxyl | 0-10 | 68987-81-5 | not avail. | not avail. | Not avail. | not avail. |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

As dry powder, 20B is a nuisance dust. When diluted for use as specified (one and one half ounce per gallon of water), it is an alkaline solution.

POTENTIAL HEALTH EFFECTS

Skin Contact: Can irritate in dry powder form.
Eyes: Irritating.
Inhalation: Not significant because 20B is mixed with water when in use.
Ingestion: Not significant in small (mouthful) quantities.
Medical conditions known to be aggravated by exposure to product: None

4. FIRST AID

Skin Contact: Rinse off with water. Use soothing lotion.
Eyes: Rinse carefully under upper and lower eyelids using plenty of water.
Inhalation: Not applicable.
Ingestion: None

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: None
Flash point: None
Flammable limits in air: None
Extinguishing media: Not applicable
Special fire fighting procedures: None
Hazardous combustion products: None
Unusual fire hazards: None

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Avoid breathing dust.
Avoid eye contact with powder.
Avoid repeated or prolonged skin contact with aqueous 20B solution

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls: None
Personal protection : Nitrile rubber gloves if hand exposure is unavoidable.

9. PHYSICAL PROPERTIES

| | | | |
|--------------------------------------|-----------------------|--------------------------|--------------|
| <i>Initial boiling point (bulk):</i> | None | <i>Vapor pressure:</i> | None |
| <i>Percent volatile:</i> None | <i>Vapor density:</i> | Not applicable | |
| <i>Density/sp. gravity:</i> | 1.2 (bulk) | <i>Evaporation rate:</i> | None |
| <i>Water solubility:</i> | 3% | <i>Appearance:</i> | Brown powder |
| <i>pH:</i> | 9 (1% in water) | <i>Odor:</i> | None |

10. STABILITY AND REACTIVITY

Stability: Stable
Incompatibility: None
Hazardous decomposition products: None
Reactivity: None

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
Threshold limit value: 5 mg/m³ for respirable dust.
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 20B.

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

Proper shipping name: None, not restricted
Hazard class or division: None
Identification No.: None
Packing Group: None

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): Powder: D-2B
Note: This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. OTHER INFORMATION

Revision Statement: Section 13
Supersedes: April 18, 2009