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: April 18, 2009

2. **INGREDIENTS**

Ingredient	*Wt./Wt. %*	*CAS #*	*TLV*	*PEL*	*LD_{50}*	*LC_{50}*
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**

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

Dispose of as ordinary waste.

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:	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 2
Supersedes:	MSDS dated September 5, 2007
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