

## MATERIAL SAFETY DATA SHEET

MAGNAGLO®MAGNETIC PARTICLE 14A

### 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:* Fluorescent magnetic particle inspection.  
*Packages:* 1 lb plastic jar and 20 lb. plastic pail  
*NFPA Rating:* Health 1, Flammability 0, Reactivity 0.  
*PIN (Canada):* None  
*Revision Date:* April 22, 2008

### 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>
Iron oxide	60-100	1309-37-1	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	>5g/kg(oral rat)	not avail.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

As a dry powder concentrate, 14A is a nuisance dust. When diluted and used as specified (one ounce per six gallons of vehicle) any hazards are due to the vehicle. See MSDS for WA-2B, WA-4, and Vehicle Carrier II.

#### POTENTIAL HEALTH EFFECTS

*Skin Contact:* None  
*Eyes:* Gritty material may scratch eyeball  
*Inhalation:* Not significant because 14A is used only when mixed into a liquid vehicle.  
*Ingestion:* Not significant  
*Medical conditions known to be aggravated by exposure to product:* None

### 4. FIRST AID

*Skin Contact:* None  
*Eyes:* Rinse carefully under upper and lower eyelids using plenty of water.  
*Inhalation:* None  
*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:* None  
*Special fire fighting procedures:* None  
*Hazardous combustion products:* None  
*Unusual fire hazards:* If heated to flame temperature, 14A can smolder and emit noxious fumes.

### 6. ACCIDENTAL RELEASE MEASURES

Sweep up. (For disposal, see Section 13).

### 7. HANDLING AND STORAGE

Avoid breathing dust.  
Keep dry.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

*Controls:* 14A is dispersed in a vehicle when used. Controls should be those recommended for the vehicle (see MSDS for WA-2B, WA-4, or Vehicle Carrier II).  
*Personal protection:* Respirator with filter if used in enclosed, unventilated space.  
Nitrile rubber gloves if hand exposure is unavoidable.

9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	Not Applicable	<i>Vapor pressure:</i>	Not applicable
<i>Percent volatile:</i>	None	<i>Vapor density:</i>	Not applicable
<i>Density/sp. gravity:</i>	0.5 (bulk)	<i>Evaporation rate:</i>	Not applicable
<i>Water solubility:</i>	0	<i>Appearance:</i>	Dusty brown powder
<i>pH:</i>	Neutral	<i>Odor:</i>	None

10. **STABILITY AND REACTIVITY**

<i>Stability:</i>	Stable
<i>Incompatibility:</i>	Acids
<i>Hazardous decomposition products:</i>	Fumes, oxides of carbon and nitrogen if heated to combustion temperature.
<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 <sup>3</sup> for respirable dust.
<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 14A.

13. **DISPOSAL**

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

14. **TRANSPORTATION**

<b>U.S. DOT: 49 CFR 172.101 Hazardous Materials Table</b>	<u>Bulk</u>
<i>Proper shipping name:</i>	None, not restricted
<i>Hazard class or division:</i>	None
<i>Identification No.:</i>	None
<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>	Not a controlled product.

**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>	Review Update
<i>Supersedes:</i>	MSDS dated January 8, 2006
<i>Prepared by:</i>	Tamie Simmons, Research Manager