

MATERIAL SAFETY DATA SHEET ZYGLO® DRY POWDER DEVELOPER ZP-4B

IDENTIFICATION

MAGNAFLUX Company:

3624 West Lake Avenue, Glenview, Illinois 60026 Address:

Telephone No.: 847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).

Developer for fluorescent penetrants. Product Use: Packages: 1 pint can, 10 and 25 lb. boxes. NFPA Rating: Health 1, Flammability 1, Reactivity 0.

None PIN (Canada):

Revision Date: September 16, 2010

INGREDIENTS 2.

<u>Ingredient</u>	Wt./Wt. %	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
					10 g/kg	
Pentaerythritol	40-70	115-77-5	10 mg/m^3	5 mg/m^3	(oral/rat)	not avail.
Hexamethyldisilazane, silica reaction product	3-7	68909-20-6	10 mg/m^3	6 mg/m^3	5mg/kg	not avail.
Aluminum oxide	3-7	1344-28-1	10 mg/m^3	5 mg/m^3	not avail.	not avail.

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Nuisance dust.

POTENTIAL HEALTH EFFECTS

Skin Contact:

Gritty material may scratch eyeball Eyes: Inhalation: May plug breathing passages

Not significant Ingestion:

Medical conditions known to be aggravated by exposure to product:

FIRST AID

Skin Contact: None

Eyes: Rinse carefully under upper and lower eyelids using plenty of water.

Inhalation: Remove to fresh air.

Ingestion:

NOTE: In all severe cases, contact physician immediately. Local telephone operators can furnish number of regional poison control center.

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: Floating ZP-4B dust can be ignited by high energy arc (350 joules or watt-seconds) or temperatures higher than 383°F

(195°C).

ACCIDENTAL RELEASE MEASURES 6.

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

HANDLING AND STORAGE

Avoid breathing dust.

Keep dry.

7.

8.

EXPOSURE CONTROLS/PERSONAL PROTECTION

None.

Personal protection: Respirator with filter if used in enclosed, unventilated space.



9. PHYSICAL PROPERTIES

Initial boiling point (bulk):

Percent volatile:

None

Vapor pressure:

None

Vapor density:

None

Not applicable

Density/sp. gravity: 0.2 Evaporation rate: None Water solubility: 4% Appearance: Fluffy white dusty powder

pH: Neutral Odor: None

0. STABILITY AND REACTIVITY

Stability: Stable Incompatibility: Acids

Hazardous decomposition products: If heated to combustion temperature, soot, smoke, and oxides of carbon.

Reactivity: None

TOXICOLOGICAL INFORMATION

Carcinogenicity: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.

Threshold limit value: 5 mg/m

5 mg/m

6 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 ZP-4B.

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:

Identification No.:

Packing Group:

None

15. **REGULATORY INFORMATION**

TSCA: All ingredients are listed in TSCA inventory.

CERCLA: Not reportable SARA TITLE III, Section 313: Aluminum oxide

California Proposition 65: Contains nothing on this list WHMIS Class (Canada): 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

Revision Statement: Section 2, Section 13 Supersedes: September 6, 2007