

MATERIAL SAFETY DATA SHEET

ZYGLO® AQUEOUS DEVELOPER ZP-5B

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: Developer for fluorescent penetrants.
Packages: 25 lb. box
NFPA Rating: Health 1, Flammability 0, Reactivity 0.
PIN (Canada): None
Revision Date: October 9, 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>
Talc	60-100	14807-96-6	not avail.	2 mg/m ³	not avail. 2 g/kg	not avail.
Polyalkene oxide, modified heptamethyl trisiloxane	5-10	27306-78-1	not avail.	not avail.	(oral/rat)	not avail.
Trisodium phosphate	1-5	7601-54-9	3 mg/m ³	5 mg/m ³	6.5 g/kg (oral/rat)	440 mg/L (96hr/bluegill)
Alcohols C ₁₂ -C ₁₅ Ethoxylated Propoxylated	1-5	68551-13-3	not avail.	not avail.	2.0 g/kg (oral/rat)	not avail.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

As dry powder concentrate, ZP-5B is a nuisance dust. When diluted for use as specified (from one half to two pounds 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 when ZP-5B is mixed with water.
Ingestion: Not significant in small (mouthful) amounts.
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 repeated or prolonged skin contact with aqueous ZP-5B solution.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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



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9. **PHYSICAL PROPERTIES**
Initial boiling point (bulk): None
Percent volatile: None
Density/sp. gravity: 0.6 (bulk)
Water solubility: 20%
pH: 10.3 (10% in water)
Vapor pressure: None
Vapor density: Not applicable
Evaporation rate: None
Appearance: White powder
Odor: None
10. **STABILITY AND REACTIVITY**
Stability: Stable
Incompatibility: None
Hazardous decomposition products: If heated to combustion temperature, soot, smoke, and oxides of carbon.
Reactivity: None
11. **TOXICOLOGICAL INFORMATION**
Carcinogenicity: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
Threshold limit value: 2 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 ZP-5B.
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): 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: September 17, 2010



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