



## MATERIAL SAFETY DATA SHEET

### ZYGLO<sup>®</sup> DRY POWDER DEVELOPER - ZP- 4 B

#### 1. IDENTIFICATION

COMPANY : ITW INDIA PRIVATE LIMITED  
ADDRESS : PLOT NO 51, 52,207 & 208, PHASE – 2, IDA  
TSIIC, PASHAMMYLARAM,  
SANGAREDDY – 502 307, TELANGANA  
INDIA.  
TELEPHONE : 91 – 8455 – 224710  
FAX : 91 – 8455 – 224709  
PRODUCT USE : Developer for Fluorescent Penetrant Inspection  
PACKAGES : 1 kg  
NFPA Rating : Health 1, Flammability 1, Reactivity 0.  
Revision Date : OCT 28, 2024

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

**GHS Classification :**  
Not Classified

##### 2.2 Label Elements

**GHS Labelling :**  
No labelling applicable

<b>EMERGENCY OVERVIEW</b> Nuisance dust
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#### POTENTIAL HEALTH EFFECTS

Skin Contact : None  
Eyes : Gritty material may scratch eye ball  
Inhalation : May block breathing passages  
Ingestion : Not significant  
*Medical conditions known to be aggravated by exposure to product: None*

#### 3. HAZARDOUS INGREDIENTS

**3.1 Substance**  
Not Applicable

##### 3.2 Mixture

<u>Ingredient</u>	<u>Wt/Wt%</u>	<u>CAS#</u>	<u>TLV</u>	<u>PEL</u>	<u>LD 50</u>	<u>LC 50</u>
Penta erythritol	40 -70%	115-77-5	10 mg/m3	5 mg/m3	10 g /kg (oral/rat)	NA
Hexamethyldisilazane,	3-7	68909-20-6	10 mg/m3	6 mg/m3	5 mg/kg	NA
Silica reaction product						
Aluminuim oxide	3-7	1344-28-1	10 mg/m3	5 mg/m3	NA	NA



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Telephone: +91 8455 224710, Facsimile: +91 8455 224709, Email: magnafluxinfo@magnafluxindia.com, Website: www.magnaflux.in

Regd. Office: ITW India Private Limited, Level 1, Lotus Plaza, 732/1, Mehrauli Gurgaon Road, Sector - 14, Gurgaon - 122 001, Haryana, India.  
Telephone : +91 - 124 - 4284381, Facsimile : +91 - 124 - 4284389, E-mail : infoindia@itw.com

Corporate Identity Number (CIN) : U32301HR1979PTC038643

#### 4. FIRST AID

Skin Contact : None  
 Eyes : Rinse carefully under upper and lower eyelids using plenty of water  
 Inhalation : Remove to fresh air if dizzy or nauseated  
 Ingestion : None

NOTE: In all severe cases, contact physician immediately.

#### 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 : Floating ZP-4B dust can be ignited by high energy arc (350 joules or watt-seconds) or temperatures higher than 383°F (195°C).

#### 6. ACCIDENTAL RELEASE MEASURES

Mop up or Sweep up (For disposal see Section 13)

#### 7. HANDLING AND STORAGE

Avoid breathing dust. Keep dry

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls : None  
 Personal protection : Wear respirator with filter if sprayed in enclosed, unventilated space.

#### 9. PHYSICAL PROPERTIES

Initial boiling point (bulk) :	None	Vapor pressure :	None
Percent volatile :	None	Vapor density :	Not applicable
Density/sp. gravity :	0.2	Evaporation rate :	None
Water solubility :	4%	Appearance :	Fluffy white dusty powder
pH :	Neutral	Odor :	None

#### 10. STABILITY AND REACTIVITY

Stability : Stable  
 Incompatibility : Acids  
 Hazardous decomposition products : Soot, oxides of carbon if heated to combustion temperatures  
 Reactivity : None

#### 11. TOXICOLOGICAL INFORMATION

Carcinogenicity : Contains no known or suspected carcinogens listed with OSHA, IARC, NTP or ACGIH  
 Threshold limit value : 5mg/cubic meter for oily mist  
 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 material.



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## 12. ECOLOGICAL INFORMATION

No data is available on ZP-4 B.

## 13. DISPOSAL

All Disposal practices must be in compliance with all local laws and regulations. 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 , IMDG , IATA:

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	:	Aluminium oxide
California Proposition 65	:	Contains nothing on this list
WHMIS Class (Canada)	:	Not a controlled product

### NFPA Rating :

Health: 1  
Flammability: 1  
Reactivity: 0



## 16. OTHER INFORMATION

*Revision Statement* : *Periodic revision*

MSDS/ZP-4B/04 dated 10/2024



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