

## MATERIAL SAFETY DATA SHEET

### ZYGLO<sup>®</sup> PENETRANT - ZL-60D

#### 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 : Penetrant for Fluorescent Inspection  
PACKAGES : 20 L & 205 L  
NFPA Rating : Health 2, Flammability 1, Reactivity 0.  
Revision Date : OCT 28, 2024.

#### 2. HAZARDS IDENTIFICATION

##### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS classification

Skin Irrit.2  
Eye Damage. 1  
Skin Sens. 1  
Asp. Tox.1

##### 2.2 LABEL ELEMENTS

Hazard Pictograms (GHS) :



#### **EMERGENCY OVERVIEW**

**Bland, oily liquid which may irritate the skin and eyes. Bulk material is difficult to ignite , but will burn vigorously if engulfed in fire.**

#### **POTENTIAL HEALTH EFFECTS**

Skin Contact : Can irritate by removing natural skin oils on long or repeated exposures  
Eyes : Irritating  
Inhalation : Not significant at room temperatures. When heated or sprayed, vapors may cause dizziness or nausea  
Ingestion : Not significant in small(mouthful)quantities  
*Medical conditions known to be aggravated by exposure to product: None*



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Regd. Office: ITW India Private Limited, Level 1, Lotus Plaza, 732/1, Mehrauli Gurgaon Road, Sector - 14, Gurgaon - 122 001, Haryana, India.

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Corporate Identity Number (CIN) : U32301HR1979PTC038643

### 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>
White mineral oil (petroleum, severely hydro-treated)	40%	8042-47-5 or 64742-47-8	5 mg/m3	5 mg/m3	NA	NA
Alcohols, C6-10, Ethoxyl	15-40	68987-81-5	NA	NA	NA	NA
Alcohols, C12-15, Ethoxyl	10-30	68551-13-3	NA	NA	1.2 g/kg (oral/rat)	NA
Tri-butoxyethyl phosphate	10-30	78-51-3	NA	NA	3 g/kg (oral/rat)	75mg/l
Secondary Alcohol Ethoxylate	0-20	84133-50-6	NA	NA	8.57ml/kg(oral/rat)	NA

#### 4. FIRST AID

Skin Contact : Wash off with soap water .Use soothing lotion  
 Eyes : Rinse carefully under upper and lower eyelids using plenty of water  
 Inhalation : Remove to fresh air if dizzy or nauseated  
 Ingestion : Do not induce vomiting. Accidental ingestion of a small mouthful quantity is not expected to cause significant harm

NOTE: In all severe cases, contact physician immediately.

#### 5. FIRE HAZARD

Conditions of flammability : Can ignite if heated over 93 deg C  
 Flash point : Min 93 deg C (PMCC)  
 Flammable limits in air : 1 to 6%  
 Extinguishing media : Carbon dioxide , Foam  
 Special fire fighting procedures : Keep containers cool with water spray.Donot spray water directly on burning ZL-60D.It may float and spread the fire  
 Hazardous combustion products : Smoke,soot,oxides or carbon and nitrogen  
 Unusual fire hazards : None

#### 6. ACCIDENTAL RELEASE MEASURES

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

#### 7. HANDLING AND STORAGE

Store away from heat source. Avoid eye contact. Avoid repeated or prolonged skin contact.  
 Avoid breathing spray mist.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls : None,unless sprayed. Use where ventilation will carry spray mist away from occupied areas  
 Personal protection : Wear safety glasses to protect eyes. Wear nitrile rubber gloves if hand exposure is unavoidable.  
 Respirator with filter if sprayed in enclosed, unventilated space.

#### 9. PHYSICAL PROPERTIES

Initial boiling point (bulk)	:	Min 235 deg C	Vapor pressure	:	<0.1 mm @ 21 deg C
VOC content	:	356 g/L	Vapor density	:	Heavier than air
Density/sp. gravity	:	0.92	Evaporation rate	:	Negligible
Water solubility	:	0 (emulsifies into water)	Appearance	:	Green oily liquid
pH	:	Neutral	Odor	:	Mild odour



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#### 10. STABILITY AND REACTIVITY

Stability	:	Stable
Incompatibility	:	None
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.

#### 12. ECOLOGICAL INFORMATION

No data is available on ZL-60D. It emulsifies into water and is biodegradable. Its low bulk vapor pressure may exempt it from VOC restrictions.

#### 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:

Proper shipping name	:	None, not restricted
Hazard class or division	:	None
Identification No.	:	None
Packing Group	:	None

##### IATA: List of Dangerous Goods

Proper shipping name	:	None, not restricted
Hazard class or division	:	None
Identification No.	:	None
Packing Group	:	None

##### IMDG: General Index

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.



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NFPA Rating :

Health : 2  
Flammability : 1  
Reactivity : 0



#### 16. OTHER INFORMATION

*Revision Statement* : *Periodic revision*

MSDS/ZL-60D/05 dated 10/2024



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