MATERIAL SAFETY DATA SHEET

AX-52

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	:	Corrosion inhibitor during Non destructive testing
PACKAGES	:	5 Litre pack
NFPA Rating	:	Health 2, Flammability 1, Reactivity 0.
Revision Date	*:*	OCT 28, 2025.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or Mixture

The hazards given in the MSDS are apply to the product at full concentration. By diluting the product , Hazards will be reduced

GHS Classification

Skin Irrt. 2

Ee Irrt. 2A

2.2 Label Elements:

GHS Labelling

Hazard Pictograms :

GHS07

EMERGENCY OVERVIEW

Alkaline liquid which can irritate eyes and skin.

POTENTIAL HEALTH EFFECTS

Skin Contact	:	Causes skin irritation. Symptoms may include redness, edema, defatting, drying and cracking of skin
Eyes	:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production reddening and swelling of conjunctiva.
Inhalation	:	May cause respiratory tract irritation
Ingestion	:	May be harmful if swallowed.May cause stomach distress, nausea or vomiting

Medical conditions known to be aggravated by exposure to product: None

Warning: *This product contains Triethanolamine.Repeated exposure may cause liver and kidney damage.*

3. Composition / Information on Ingredients

3.1 Substance

Not applicable

3.2 Mixtures

Ingredient	Wt/Wt%	CAS#	TLV	PEL	LD 50	LC 50
Dimethyl glutarate	7-13%	1119-40-0	NA	NA	8191 mg/kg (Oral-rat)	NA
Phosphonic acid, [nitrilotris (methylene)]tris-compound with 2-aminoethanol and 2,2',2"-nitrilotris[ethanol]	3-7%	68413-75-2	NA	NA	NA	NA
Dimethyl succinate	1-5%	106-65-0	NA	NA	>5000 mg/kg(Oral-rat)	NA
Dimethyl adipate	1-5%	627-93-0	NA	NA	>5000 mg/kg(Oral-rat)	NA

4. FIRST AID

Skin Contact : Wash off with plenty of water. Remove contaminated clothing and shoes. Call a physician if irritation develops or persists

Eyes : Rinse carefully under upper and lower eyelids using plenty of water for 15 minutes. Get medical attention if irritation develops or persists

Inhalation : If respiratory discomfort or irritation occurs, move the person to fresh air. Get medical attention

Ingestion : If swallowed ,DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

NOTE: In all severe cases, contact physician immediately.

5. FIRE HAZARD

Conditions of flammability : None
Flash point : >100 deg C
Flammable limits in air : None
Extinguishing media : Treat for surrounding material
Special fire fighting procedures : None
Hazardous combustion products : May include, and not limited to oxides of carbon, nitrogen and phosphorous
Unusual fire hazards : None

6. ACCIDENTAL RELEASE MEASURES

Mop up or Sweep up with absorbent and place in a suitable container.Donot flush into sewer or allow to enter waterways (For disposal, see Section 13)

7. HANDLING AND STORAGE

Avoid eye contact, prolonged or repeated skin contact .
Avoid breathing mists.
Contains alkanolamines, donot mix with nitrite-containing materials due to possible formation of nitrosamines

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls : Good general ventilation should be sufficient to control airborne levels
Personal protection : Nitrile rubber gloves if hand exposure is unavoidable. Safety goggles . Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

9. PHYSICAL PROPERTIES

Initial boiling point (bulk)	:	Not available	Vapor pressure	:	Not available
Viscosity	:	10.79 cSt @ 40 deg C	Vapor density	:	Not available
Evaporation rate	:	Not available	Water Solubility	:	Completely miscible
Appearance	:	Hazy yellow to amber liquid	pH	:	8.5 - 10
Odor	:	Mild ammoniacal	Density/Sp.Gravity	:	1.04

10. STABILITY AND REACTIVITY

Stability : Stable under normal storage conditions
Incompatibility : Avoid strong oxidizing and reducing agents
Hazardous decomposition products : May include, and not limited to oxides of carbon, nitrogen and phosphorous
Reactivity : No dangerous reaction known under conditions of normal use

11. TOXICOLOGICAL INFORMATION

Carcinogenicity	:	Contains no known or suspected carcinogens listed with OSHA, IARC, NTP or ACGIH
Threshold limit value	:	Not established

12. **ECOLOGICAL INFORMATION**

No data is available on AX-52

13. DISPOSAL

All disposal practices must be in compliance with local laws and regulations. Waste characterization and compliance with applicable laws are the sole responsibility of the waste generator

14. TRANSPORTATION

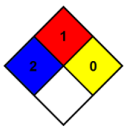
U.S.DOT: 49 CFR 172.101 Hazardous Material Table

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

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	:	This material does not contain chemicals known to the state of California to cause cancer and / or birth defects and / or reproductive harm

NFPA Health Hazard: 2
NFPA Fire Hazard: 1
NFPA R eactivity: 0



16. **OTHER INFORMATION**

Revision Statement *: Periodic Review and incorporation of Registered office address change*

MSDS/AX52/03 dated 10/2025