

SECTION I - GENERAL INFORMATION OF PRODUCT & COMPANY INFORMATION

AQUADRA FORSPEC PVT.LTD.

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transportation call :

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24 hours a day - 7 days a week

Trade Name: **Fo-Poxy®** Epoxy Steel

Date Prepared
28th April, 2005

Chemical Family : Epoxy Resin.

SECTION II – COMPOSITION / INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
MODIFIED EPOXY RESIN	Proprietary	60-100	N.E	N.E
ALIPHATIC AMINES	Proprietary	30-40	N.E.	N.E.
2,4,6-Tris(Dimethyl Amino Methyl) Phenol;	90-72-2	5-10	N.E.	N.E.

“TLV” means Threshold Limit Value exposure. “PEL” indicates Permissible Exposure Limit.

SECTION III – HAZARDS IDENTIFICATION

APPEARANCE
VISCIOUS LIQUID

COLOUR
GREY

ODOR
LOW ODOR

PRIMARY ROUTES OF EXPOSURE : Inhalation Skin contact Eye contact
 Ingestion

SYMPTOMS OF ACUTE OVER EXPOSURE :

SKIN CONTACT : POSSIBLE IRRITANT AND SENSITIZER TO SENSITIVE SKIN.

EYE CONTACT : POSSIBLE IRRITANT AND SENSITIZER.

INGESTION : IRRITATION OF INTESTINAL TRACT. MAY CAUSE NAUSEA, VOMITING, DIARRHEA

INHALATION : MAY CAUSE DIZZINESS OR HEADACHES.

EFFECTS OF CHRONIC OVEREXPOSURE :

Prolonged or repeated overexposure may cause allergic sensitization (rash, itching, redness).

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE :

ALLERGIES, SKIN DISORDERS.

SECTION IV – FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES :

INGESTION: CONSULT A PHYSICIAN. DO NOT INDUCE VOMITING.

INHALATION : REMOVE TO FRESH AIR.

SKIN CONTACT: WASH WITH SOAP AND WATER IMMEDIATELY.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. CONSULT A PHYSICIAN.

SECTION V – FIRE FIGHTING MEASURES

FLASH POINT : > 300°F

METHOD : TCC

FLAMMABLE LIMITS : (Above flammable limits in air)

LEL : n/d ; **UEL :** n/d

FIRE EXTINGUISHING MEDIA : WATER SPRAY, FOAM, CO₂, DRY CHEMICALS.

SPECIAL FIRE FIGHTING PROCEDURES : NONE

UNUSUAL FIRE AND EXPLOSION HAZARD : NONE

HAZARDOUS PRODUCTS OF COMBUSTION :

Oxides of carbon, sulfur and nitrogen and other unknown organic compounds

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL CONTROL : NOT APPLICABLE

CONTAINMENT : NOT APPLICABLE

CLEANUP : Absorb spillage on inert material and discard in suitable containers

SPECIAL PROCEDURES : Prevent spill from entering drainage/sewer systems, waterways, and surface waters

SECTION VII – HANDLING AND STORAGE**Handling Precautions :**

---Keep hands away from eyes when handling material or before washing after use. Wash thoroughly after using-- particularly before eating.

---If this product is sanded or machined after curing, take appropriate precautions against inhalation of nuisance particulates. A TLV of 2 mg/m³ should be observed

Storage : Store in Cool and Dry place.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS :**

Ventilation : General mechanical is satisfactory. If odor is disagreeable, use local exhaust.

Other engineering controls : Have emergency shower and eye wash available

PERSONAL PROTECTIVE EQUIPMENT :

Eye and face protection : Wear Safety Glasses

Skin protection : Polyethylene or Rubber gloves for prolonged use

Respiratory protection : None needed in normal use with proper ventilation

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES : N/A

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY (H₂O=1) 1.15 – 1.2	VAPOR PRESSURE (mm Hg) NIL @ 78°F	VOLATILE BY VOLUME (%) 0
VAPOR DENSITY (AIR=1) > 1	EVAPORATION RATE (Butyl Acetate=1) : < 1	SOLUBILITY IN WATER NEGLIGIBLE
MELTING POINT N/D	BOILING POINT N/D	pH (5% solution in water) N/D

SECTION X - STABILITY and REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE

INCOMPATIBILITY (MATERIALS TO AVOID) :
Strong oxidizing agents. Acids. Strong mineral and organic bases

HAZARDOUS DECOMPOSITION PRODUCTS :
CO, ALDEHYDES, ACIDS, OXIDES OF SULFUR AND NITROGEN.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Oral Effects : LD50 (rat) - No data available

Acute dermal effects : LD50 (rabbit) - No data available

Acute inhalation effects : LC50 (rat) - No data available

Eye irritation : Not available

Sub chronic effects : Not available

Carcinogenicity, teratogenicity, and mutagenicity :

- 1) **MUTAGENICITY:** Liquid resins based on diglycidyl ether of Bisphenol A (DGEBPA), have proved to be inactive when tested by in vivo mutagenicity assays.
- 2) **CARCINOGENICITY:** Recent 2-year bioassays in rats and mice exposed by the dermal route to DGEBPA yielded no evidence of carcinogenicity to the skin or any other organs.
- 3) The International Agency for Research on Cancer (IARC) concluded that DGEBPA is not classifiable as a carcinogen (IARC group 3), that is human and animal evidence of carcinogenicity is inadequate

Other chronic effects :

Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure. Studies have shown diglycidyl ether of bisphenol A resin to cause allergic contact dermatitis

THRESHOLD LIMIT VALUE :	ORAL N/D	DERMAL N/D	INHALATION N/D
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SPECIFIC EFFECTS :

Prolonged or repeated over exposure may cause allergic sensitization

CARCINOGENICITY :	NTP NO	ACGIH NO	OSHA REGULATED NO
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SECTION XII - ECOLOGICAL INFORMATION

Eco-toxicity : Not available

Mobility and persistence : Not available

Environmental fate : Not available

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD :

INCINERATE IN FURNACE OR BURY IN LANDFILL ACCORDING TO APPLICABLE REGULATIONS.

WASTE MANAGEMENT RECOMMENDATIONS :

Remove to a waste disposal facility operating in compliance with state and local regulations

SECTION XIV – TRANSPORT INFORMATION

Proper shipping name : Non-regulated

Technical name : N/A

Hazard class : N/A

UN number : N/A

Packing group : N/A

Emergency Response Guide no : N/A

IMDG page number : N/A

Other : N/A

SECTION XV – HAZARD LABELLING

	<u>HMIS</u>	<u>HAZARD RATING</u>
HEALTH	2	0 - MINIMAL
FLAMMABILITY	1	1- SLIGHT
REACTIVITY	1	2- MODERATE
		3- SERIOUS
		4- SEVERE

SECTION XVI – LIMITATION OF RESPONSIBILITY

The information given herein is reliable and correct to the best of our knowledge. However, no warranty is expressed or implied regarding the accuracy of this data. We do not accept any liabilities resulting from the use of this product and are not responsible for any loss, damage or misuse of the product, directly or indirectly.

N/A : NOT APPLICABLE

N/D : NOT DEFINED

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