

**Fo-Poxy<sup>®</sup>****MATERIAL SAFETY DATA SHEET****Item : Marine Stick Epoxy Putty Stick**

This product appears in the following Stock number (s) / Item Code (s) :

Steel Stick	Aluminum Stick	Copper Stick	Bronze Stick
Plastic Stick	Concrete Stick	Wood Stick	Titanium Stick

**SECTION I - GENERAL INFORMATION OF PRODUCT & COMPANY INFORMATION****AQUADRA FORSPEC PVT. LTD.**

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For any Emergencies during  
transportation call :  
**9820121022**  
24 hours a day - 7 days a week

**Trade Name**  
**FO-POXY<sup>®</sup> EPOXY STICK**

**Date Prepared**  
**1<sup>st</sup> January, 2005**

**General Info.:** When fully cured, the mixture is non-hazardous.  
**Chemical Family :** Epoxy Resin & Adducted curing Agent.

**SECTION II – COMPOSITION / INGREDIENTS IDENTITY INFORMATION**

HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
EPOXY RESIN	25068-38-6	15-40	N.E	N.E
HARDENER	Proprietary	10-30	N.E	N.E
CRYSTALLINE SILICA	14808-60-7	< 1	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>

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

**SECTION III – HAZARDS IDENTIFICATION**

**APPEARANCE**  
THICK PUTTY

**COLOUR**  
Available in VARIOUS COLOURS

**ODOR**  
LOW ODOR

WARNING! Eye and skin irritant. Potential skin sensitizer. May be harmful if swallowed

**PRIMARY ROUTES OF EXPOSURE :** \_\_\_ Inhalation \_\_\_X Skin contact \_\_\_X Eye contact \_\_\_X Ingestion

**SYMPTOMS OF ACUTE OVEREXPOSURE :**

**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

**EFFECTS OF CHRONIC OVEREXPOSURE :**

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

**MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE :**

ALLEGIES, 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 :** > 500°F

**METHOD :** TCC

**FLAMMABLE LIMITS :** (Above flammable limits in air)

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

**FIRE EXTINGUISHING MEDIA :** WATER SPRAY, FOAM, CO<sub>2</sub>, DRY CHEMICALS.

**SPECIAL FIRE FIGHTING PROCEDURES :** NONE

**UNUSUAL FIRE AND EXPLOSION HAZARD :** NONE

##### HAZARDOUS PRODUCTS OF COMBUSTION :

Oxides of carbon, sulfur and nitrogen. Aldehydes, ketones 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/m<sup>3</sup> 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

IF SANDING CURED PUTTY OR SUBSTRATES, WEAR DUST MASK.

**OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES :** N/A

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b> 1.9 – 2.3	<b>VAPOR PRESSURE (mm Hg)</b> NIL @ 78°F	<b>VOLATILE BY VOLUME (%)</b> 0
<b>VAPOR DENSITY (AIR=1)</b> > 1	<b>EVAPORATION RATE (Butyl Acetate=1) : &lt; 1</b>	<b>SOLUBILITY IN WATER</b> NEGLIGIBLE
<b>MELTING POINT</b> N/D	<b>BOILING POINT</b> N/D	<b>pH (5% solution in water)</b> 9.5

## SECTION X - STABILITY and REACTIVITY

<b>STABILITY</b>	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.

<b>HAZARDOUS POLYMERIZATION</b>	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

<b>THRESHOLD LIMIT VALUE :</b>	ORAL N/D	DERMAL N/D	INHALATION N/D
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**SPECIFIC EFFECTS :**  
Prolonged or repeated over exposure may cause allergic sensitization

<b>CARCINOGENICITY :</b>	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	1	0 - MINIMAL
FLAMMABILITY	1	1- SLIGHT
REACTIVITY	0	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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