

# Material Safety Data Sheet

## SECTION 1- Chemical Product and Company Identification

**PRODUCT NAME:** SAFE QUARTZ -A- EPOXY SYSTEM

**IDENTIFICATION NUMBER:** SFQTX EPOXY”

**DATE PRINTED** 3/1/2007

**PRODUCT USE/CLASS:**

**SUPPLIER:**

Marine Industrial Paint Co., Inc.  
4590 60<sup>th</sup> Ave North.  
St. Petersburg, Fl. 33714

**MANUFACURER:**

Marine Industrial Paint Co., Inc.  
4590 60<sup>th</sup> Ave North.  
St. Petersburg, Fl. 33714

**EMERGENCY TELEPPHONE:**

727-527-3382 8 A.M. - 5 P.M.

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**PREPARER :** Steven C Halliday **PHONE:** 727-527-3382 **PREPARE DATE:** 3/1/2007

## SECTION 2 – Composition and Information on Ingredients

<u>ITEM</u>	<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT/WT%</u>
01	ACETIC ACID	64-19-7	5.0%
02	Polyethylene Polyamine Adduct	Trade secret	20.0%
03	2- Propoxyethanol	2807-30-9	5.0%

### EXPOSURE LIMITS

<u>ITEM</u>	<u>ACGIH</u>		<u>OSHA</u>		<u>COMPANY</u>	<u>SKIN</u>
	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>	<u>TLV-TWA</u>	
01	10 ppm	15 ppm				YES
02	NO INFO	NO INFO				YES
03	NO INFO	NO INFO				YES

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

### **SECTION 3- Hazards Identification**

**\* EMERGENCY OVERVIEW \*:** May be toxic and harmful if inhaled or if absorbed through the skin. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause allergic skin reactions. May cause allergic respiratory reaction. Avoid contact with skin and clothing. Wash thoroughly after handling. Combustible liquid and vapor.

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent tissue damage.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Causes skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE – INHALATION:** Sensitizer. May cause allergic respiratory reaction.

**EFFECTS OF OVEREXPOSURE – INGESTION:** Ingestion of excessive amounts may cause irritation to the digestive tract and signs of nervous system depression. Aspiration Hazard. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and damage. Product may be moderately toxic and may be harmful if swallowed. May produce damage to red blood cells.

**EFFECTS OF OVEREXPOSURE – CHRONIC HAZARDS:** Overexposure of 2-propoxyethanol has been found to cause the following effects in lab animals, blood abnormalities, kidney damage, spleen damage and liver abnormalities. The relevance of these findings to humans is uncertain.

**PRIMARY ROUTE(S) OF ENTRY:** SKIN CONTACT INHALATION EYE CONTACT SKIN ABSORPTION INGESTION

### **SECTION 4 – First Aid Measures**

**FIRST AID - EYE CONTACT:** If irritation and or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist seek medical attention. For direct contact hold eyelids apart and flush with clean water for at least 15 minutes.

**FIRST AID – SKIN CONTACT:** Remove contaminated clothing and shoes and flush affected area with large amounts of water. If skin is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged cleanse thoroughly with mild soap and water. If redness or irritation develops seek medical attention. Wash with soap and water. Get medical attention if irritation or persists. Destroy contaminated shoes.

**FIRST AID – INHALATION :** If respiratory symptoms or other symptoms of exposure develop, move victim away from the source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, immediately start artificial (Continued on page 3)

## **SECTION 4 – First Aid Measures contd.**

respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**FIRST AID – INGESTION:** This material is a potential aspiration hazard. DO NOT INDUCE VOMITTING. If swallowed seek emergency medical attention. If victim is drowsy or unconscious, place them on their left side with head down. If possible, do not leave the victim unattended.

## **SECTION 5 – Fire Fighting Measures**

**FLASH POINT:** N.A.  
(TAGLIABUE CLOSED CUP)

**LOWER EXPLOSIVE LIMIT:** 1.3%  
**UPPER EXPLOSIVE LIMIT:** 15.8%

**AUTOIGNITION TEMPERATURE:**

**EXTINGUISHING MEDIA:** FOAM / DRY CHEMICAL / CO2 / WATER FOG /

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** NO information

**SPECIAL FIREFIGHTING PROCEDURES:** Wear appropriate protective equipment including respiratory protection as conditions warrant. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flames.

## **SECTION 6 – Accidental Release Measures**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Absorb spill with an inert absorbent material, then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Immediate cleanup of any spill is recommended.

## **SECTION 7 – Handling and Storage**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep containers closed when not in use. Store only in approved containers. Protect containers against physical damage.

## **SECTION 8 – Exposure Controls / Personal Protection**

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion proof ventilation equipment. Facilities storing or utilizing this product should be equipped with an eyewash facility and a safety shower.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use.

**SKIN PROTECTION:** The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.

**OTHER PROTECTIVE EQUIPMENT:** No Information.

**HYGENIC PRACTICES:** Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing.

## **SECTION 9 – Physical and Chemical Properties**

**BOILLING RANGE:** 301-302 F

**ODOR:** Amine

**APPEARANCE:** Clear amber liquid

**SOLUBILITY IN H2O:** YES

**FREEZE POINT:** <32 F.

**VAPOR PRESSURE:** 24 mm Hg

**PHYSICAL STATE:** Liquid

**VAPOR DENSITY:** Is heavier than air

**ODOR THRESHOLD:**

**EVAPORATION RATE:** Is slower than Ether

**SPECIFIC GRAVITY:** 0.3392

**Ph @ 0.0 %:**

**VISCOSITY:**

**COEFFICIENT OF WATER / OIL DISTRIBUTION:**

(See section 16 for abbreviation legend)

**Identification Number: SFQTX EPOXY**

**Preparation Date: 03/01/07**

## **SECTION 10 – Stability and Reactivity**

**CONDITIONS TO AVOID:** No Information

**INCOMPATIBILITY:** This product is incompatible with strong acids or bases, oxidizing agents and selected amines.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield carbon dioxide and/or carbon monoxide. Do not breathe smoke or fumes. Wear appropriate protective equipment.

**HARZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## **SECTION 11- Toxicological Properties**

NO PRODUCT OR COMPONENT TOXOCOLOGICAL INFORMATION IS AVAILABLE.

## **SECTION 12 – Ecological Information**

NO ECOLOGICAL INFORMATION

## **SECTION 13 – Disposal Considerations**

**DISPOSAL METHOD:** Dispose of product in accordance with local, county, state and federal regulations.

## **SECTION 14 – Transportation Information**

**DOT PROPER SHIPPING NAME:** Paint

**DOT TECHNICAL NAME:**

**DOT HAZARD CLASS:** 3                      **HAZARD SUBCLASS:**

**DOT UN/NA NUMBER:** UN 1263    **PACKING GROUP:** III    **RESP. GUIDE PAGE:**

Identification Number: SFQTX EPOXY

Preparation Date: 03/01/07

## **SECTION 15 – Regulatory Information**

### **US FEDERAL REGULATIONS - AS FOLLOWS:**

**OSHA** - Hazardous by definition of Hazard communication Standard (29 CFR 1910.1200)

### **CERCLA - SARA HAZARD CATEGORY:**

This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 ( SARA Title III ) and is considered, under applicable definitions, to meet the following categories:

### **CHRONIC HEALTH HAZARD    FIRE HAZARD**

**SARA SECTION 313:** This product contains the following substances subject to the reporting Requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>WT/WT % IS LESS THAN</u></b>
No Sara Section 313 components exist in this product		

### **U.S. STATE REGULATIONS – AS FOLLOWS:**

#### **CALIFORNIA PROPOSITION 65:**

WARNING: The chemical (s) noted below and contained in this product , are known to the state of California to cause cancer, birth defects or other reproductive harm :

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS NUMBER</u></b>
No Proposition 65 chemicals exist in this product.	

### **INTERNATIONAL REGULATIONS – AS FOLLOWS:**

**CANADIAN WHMIS:** This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

**CANADIAN WHIM CLASS:** NO INFORMATION AVAILABLE

## **SECTION 16 – Other Information**

**HMIS RATINGS –    HEALTH: 2    FLAMMABILITY: 3    REACTIVITY: 1**

**PREVIOUS MSDS REVISION DATE:** 03/07/07

**VOLITILE ORGANIC COMPOUNDS (VOCS):** 1.76 LBS/GAL, 211 GRAMS/LTR

### **LEGEND:**

N.A. – Not Applicable

N.E. – Not Established

N.D. – Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

