

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Tyfo<sup>®</sup> RR - Standard

## SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME:

Fyfe Co. LLC  
8380 Miralani Drive, Suite A  
San Diego, CA 92126

EMERGENCY PHONE: 800-424-9300 or 703-527-3887

INFORMATION PHONE: 858-642-0694

REVISION DATE: 03/3/09

SUPERCEDES DATE: March 12, 2008

## SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CASE NUMBER	VAPOR PRESSURE		WEIGHT %
		Mm Hg	Temp.	
*Crystalline Silica (quartz) ACGIH TLV: 10m/im3 (respirable dust)	111-76-2	N/A	N/A	63.25
*Diethylene Glycol Monobutyl Ether ACGIH TLV: NO EET	112-34-5	.03	66F	2.0

\*Indicates toxic chemical (8) subject to the reporting requirements of section 313 of title III and of 40 CFR 372

\* Indicates toxic chemical (S) subject to the reporting requirements of California proposition 65 safe drinking water and toxic enforcement act.

TSCA Exempt.

**This MSDS is prepared to, with the OSHA hazard communication standard (29 crf1910200), unlisted ingredients are not "Hazardous"**

**Per this OSHA standard are considered trade secrets of Fyfe Co. LLC.**

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 447F

VAPOR DENSITY: Lighter than air

COATING V.O.C.: 53 g/l

APPEARANCE AND ODOR: Typical for water based paint.

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.79

EVAPORATION RATE: Slower than water

MATERIAL V.O.C.: 15 g/l

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: N/A

EXTINGUISHING MEDIA: Foam, CO<sub>2</sub>, Dry Chemical, or Water Fog.

METHOD USED: N/A

UPPER: N/A

SPECIAL FIREFIGHTING PROCEDURES: Cool containers with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed container exposed to high temperatures may explode or burst due to build up of steam pressure.

## **SECTION V – REACTIVITY DATA**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None

**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:** May form toxic materials on thermal decomposition including carbon dioxide, carbon monoxide, and various hydrocarbons.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## **SECTION VI – HEALTH HAZARD DATA**

**INHALATION RISKS AND SYMPTOMS OF EXPOSURE:** Adverse health effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, and respiratory tract and symptoms of headache and nausea.

## **SECTION VII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EYE/FACE PROTECTION:** Avoid eye and skin contact. Wear chemical type goggles and a face shield.

**SKIN PROTECTION:** Protective clothing such as uniforms, coveralls or lab coats must be worn. Launder or dry-clean when soiled. Gloves, resistant to chemicals are required.

**RESPIRATORY PROTECTION:** Not ordinarily required. If vapor or mist is generated, use a NIOSH approved organic vapor/P100 combo respirator. If sufficient dust is generated during machining of the cured product, use a NIOSH approved P100 combo dust respirator.

**VENTILATION:** Local exhaust ventilation recommended sufficient to control the vapor, mist or dust being generated. If exhaust ventilation is not available or is inadequate, use a NIOSH approved organic vapor/P100 combo respirator, as appropriate.

**GENERAL HYGIENE RECOMMENDATIONS:** Before eating, drinking, smoking or using toilet facilities, wash face and hands thoroughly with soap and water. Remove any contaminated clothing and launder before reuse. Properly dispose of shoes and clothing that are extremely contaminated. Use vacuum equipment to remove cured product dust from clothing and work areas. Compressed air is not recommended.

## **SECTION VIII: OTHER INFORMATION**

**SPECIAL PRECAUTIONS:** Empty containers will retain some of the product residue. When handling or disposing of them, follow all label warnings, other instructions and waste disposal procedures.

**EXPLANATION AND DISCLAIMER:** Wherever such words or phrases as “hazardous,” “toxic,” “carcinogen,” appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic,

hazardous or otherwise harmful. ANY EXPOSURE CAN ONLY BE UNDERSTOOD WITHIN THE ENTIRE CONTEXT OF ITS OCCURRENCE, WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE MSDS, AMOUNT AND DURATION OF EXPOSURE, OTHER CHEMICALS PRESENT AND PREEEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.

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APPROVED AND AUTHORIZED BY: *Edward R. Fyfe*