

Material Safety Data Sheet: Tyfo® SW-1, Component B

SECTION 1: Chemical Product Name and Company Identification

Product: Tyfo® SW-1, Component B Date: June 11, 2008
Chemical Name and Synonyms: Amine Mixture

Manufacturers Name: Fyfe Co. LLC
Address: 6310 Nancy Ridge Dr. Suite 103, San Diego, CA 92121
Telephone: 858-642-0694
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Emergency Telephone: 800.424.9300 CHEMTREC

SECTION 2: Composition / Information on Ingredients

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

INGREDIENT	CAS. NO.	TLV	STEL	PEL	CONTENT
MODIFIED AMINE	*	N/E	N/E	N/E	>50%
SILICON DIOXIDE	14808-60-7	.1 mg/m3	N/E	N/E	<15
POLYAMINE	68953-36-6	N/E	N/E	N/E	<15%
PETROLEUM DISTILLATE	68477-31-6	N/E	N/E	N/E	<15%
ALKYL PHENOL	84852-15-3	N/E	N/E	N/E	<12%
ALIPHATIC AMINE	112-57-2	N/E	N/E	N/E	<8%
COLLOIDAL SILICA	67762-90-7	N/E	N/E	N/E	<4%
AMINO PHENOL	90-72-2	N/E	N/E	N/E	<3%

Specific chemical identity of this component is being held as trade secret information in accordance with CFR 1910.1200

N/E = NOT ESTABLISHED

SECTION 3: Hazards Identification

HMIS Hazard Rating No. 3 (High)

PRIMARY ROUTE OF ENTRY: Inhalation, Dermal, Eyes

EFFECTS OF OVER EXPOSURE:

INHALATION: Vapors/mist may be corrosive to upper respiratory tract. Repeated or prolonged exposure can result in lung damage may be evidenced by shortness of breath and may be accompanied by chronic cough.

EYES: Product may cause irritation to the eyes. Corrosive to the eyes and may cause severe damage including blindness.

SKIN CONTACT: Corrosive to the skin. May cause skin sensitization.

SKIN ABSORPTION: No known information available.

INGESTION: Not expected to be a relevant route of exposure. However, may cause permanent damage to mouth, throat and stomach.

CHRONIC: Repeated exposure may cause skin sensitization, skin irritation, and dermatitis. Preexisting eye, skin, and respiratory disorders may be aggravated by exposure of this product.

SECTION 4: First and Measures

INHALATION: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.

EYES: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

SKIN: Immediately remove contaminated clothing. Wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, get medical attention. Do not re-use clothing until thoroughly cleaned.

HARZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes and acids may be formed during combustion.

SECTION 11: Toxicity Information

HMIS Hazard Rating No. 3 (high)

PRIMARY ROUTE OF ENTRY: Inhalation, dermal, eyes

EFFECTS OF OVEREXPOSURE

INHALATION: May cause irritation on the respiratory tract.

LC(50) INHAL: N/A/V

EYES: May be sever damage including blindness.

SKIN CONTACT: Corrosive to the skin. In some individuals it may cause sensitization.

SKIN ABSORPTION: No information Available.

INGESTION: Not expected to be expected route of entry. May cause permanent damage to mouth, throat, and stomach.

LD(50) ORAL:	CAS. NO.	
	90-72-2	>2169 mg/kg (rat)
	112-57-2	3.99 g/kg (rat)
	68477-31-6	2,622 mg/kg (rat)
	84852-15-3	58 g/kg (rat)

CHRONIC: Product does not contain chemicals considered to be carcinogenic by NTP, IARC, or OHSA.

This product contains silicon dioxide and titanium dioxide as the filter, which are bound in the resin matrix, hence affects of to inhalation as nuisance dust is unlikely. These items are listed on the SARA TITLE III Section 313 inventory.

SECTION 12: Ecological Information

Marine Pollutant: NL

(NL= not listed; P= moderate; PP= severe; ND= Not Determined)

SECTION 13: Disposal Considerations

Dispose in a manner which complies with local, state and federal regulations.

SECTION 14: Transport Information

DOT SHIPPING NAME: Polyamines, liquid, corrosive, N.O.S., (alkaline amine)

DOT HAZARD CLASS: Class 8 (corrosive liquid), PGIII

DOT PLACARD: Corrosive

OTHER REQUIREMENTS: UN1760, Class 60

SECTION 15: Regulatory Information

Components are listed on the EPA/TSCA	Inventory of chemical substances
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TITLE III SECTION 302	No reportable materials
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TITLE III SECTION 311/312	Health hazard: Immediate
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	Physical hazard: Fire
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TITLE III SECTION 313	Silicon Dioxide (14808-60-7)
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SECTION 16: Other Information

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or to use with any other materials. This information is based on data believed to be reliable as of the date hereof. It is furnished without warranty of any kind express or implied. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by Fyfe Co. LLC in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe any patents.