

MATERIAL SAFETY DATA SHEET



Date Issued: 03/12/2010
 MSDS No: F2100
 Date Revised: 03/12/2010
 Revision No: 8

F2100 (item #F13478-F6, F13478-NT)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: F2100 (item #F13478-F6, F13478-NT)

MANUFACTURER

ITW TACC
 56 Air Station Industrial Park
 Rockland MA 02370

Product Stewardship: (781) 878-7015

Service Number: (800) 503-6991

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

COMMENTS: FOAMSEAL is a registered trademark of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xi" - Irritant

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation upon contact.

SKIN: May cause skin irritation.

INGESTION: May cause damage to mucous membranes if swallowed.

INHALATION: Short-term harmful health effects are not expected from vapor generated at ambient temperatures.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CARCINOGENICITY: None known.

ROUTES OF ENTRY: Eye and Skin Contact, Inhalation and Ingestion

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS	Classification
Polyalkylene oxide polyol	45 - 55	052019-35-9		
Diethylene Glycol	3 - 10	000111-46-6	203-872-2	Xn; 22
N, N Dimethylcyclohexyl Amine	< 5	000098-94-2	- -	
Silicone Surfactant	< 1	Mixture		

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

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SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Determined

FLAMMABLE LIMITS: N/D

FLAMMABLE CLASS: Not Applicable

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical or foam.

EXPLOSION HAZARDS: Decomposition products may cause a health hazard.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. After water evaporates, remaining material will burn.

SENSITIVE TO STATIC DISCHARGE: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, nitrogen oxide, ammonia, aldehydes, ketones, organic fragments

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must

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wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

HANDLING: Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Containers should be tightly closed to prevent contamination with foreign materials and moisture. Employee education and training in the safe handling of this product are required under the Federal OSHA Hazard Communication Standard. Avoid contact of liquid with eyes and prolonged skin exposure.

STORAGE: Keep container closed when not in use. Store in a dry well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

STORAGE TEMPERATURE: 18.3°C (65°F) Minimum to 35°C (95°F) Maximum

SHELF LIFE: 6 months from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Polyalkylene oxide polyol	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Diethylene Glycol	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Silicone Surfactant	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Footnotes:					
1. NL = Not Listed					

ENGINEERING CONTROLS: Natural ventilation should be adequate under normal conditions.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields, goggles, or a full-face shield. Do not wear contact lenses.

SKIN: Wear chemical resistant gloves such as latex, butyl rubber, nitrile rubber, polyvinyl alcohol. Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact.

RESPIRATORY: This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Slight Amine Odor
COLOR: Amber
FLASHPOINT AND METHOD: Not Determined
DENSITY: 8.670 lbs/gal
SPECIFIC GRAVITY: 1.040
(VOC): 19.200 gr/L EPA Method 24 VOC

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: Stable.
POLYMERIZATION: Product will not undergo polymerization.
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapors and mist, traces of HCN. If vapor heated with peroxides present, violent decomposition can occur.
INCOMPATIBLE MATERIALS: Alkali or alkaline earth metals, strong acids, copper, brass, elastomers

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Polyalkylene oxide polyol	> 2000 mg/kg	> 2000 mg/kg	No data
Diethylene Glycol	25300 mg/kg	11900 mg/kg	No data
Silicone Surfactant	No data	No data	No data

CARCINOGENICITY

IARC: Not Applicable
NTP: Not Applicable
OSHA: Not Applicable

IRRITATION: Mild to moderate eyes and skin irritation.

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CORROSIVITY: Not Applicable
SENSITIZATION: Not Applicable
NEUROTOXICITY: Not Applicable
GENETIC EFFECTS: Not Applicable
REPRODUCTIVE EFFECTS: Not Applicable
TERATOGENIC EFFECTS: Not Applicable
MUTAGENICITY: Not Applicable
SYNERGISTIC MATERIALS: Not Applicable

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

PACKING GROUP: N/A

MARINE POLLUTANT #1: None

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

313 REPORTABLE INGREDIENTS: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
Polyalkylene oxide polyol	052019-35-9
Diethylene Glycol	000111-46-6
N, N Dimethylcyclohexyl Amine	000098-94-2
Silicone Surfactant	Mixture

CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Diethylene Glycol	3 - 10	000111-46-6

RCRA STATUS: The components of this product are not listed as hazardous wastes. To the best of our knowledge, this product does not meet the criteria of a hazardous waste if discarded in its purchased form. However, under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether a product meets any of the criteria for a hazardous waste. This is because product uses, transformation, mixture processes, etc. may render the resulting materials hazardous.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"Xi" - Irritant

16. OTHER INFORMATION

INFORMATION CONTACT: (781) 878-7015

REVISION SUMMARY: Revision #: 8 This MSDS replaces the November 12, 2009 MSDS. Any changes in information are as follows: In Section 1 Date Prepared In Section 9 VOC (From)

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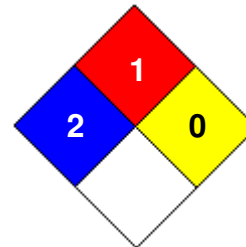
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HMIS RATING

HEALTH:	<input type="checkbox"/>	2
FLAMMABILITY:		1
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:	B	

NFPA CODES



GENERAL STATEMENTS: Keep out of reach of children

For professional or industrial use only

If you cannot read, or do not understand all directions, cautions, and warnings, do not use this product

MANUFACTURER DISCLAIMER:

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