

5971

REC'D JUL 11 2000

CHM00095

MSDS0222

Ver. No.1

Ver. Date June 22, 2000

**SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME** Foam-A-Coil™  
**PRODUCT CODES:** 82632, 82634, 82638, 82640  
**CHEMICAL FAMILY:** Inorganic/Organic  
**USE:** Coil Cleaner  
**MANUFACTURER / SUPPLIER**  
 RectorSeal  
 2601 Spenwick  
 Houston, Texas 77055 USA

**EMERGENCY TELEPHONE NUMBERS:**  
 Chemtrec 24 hours: (800) 424-9300  
 RectorSeal: (713) 263-8001

**NON EMERGENCY TELEPHONE NUMBERS:**  
 Technical Service: (800) 231-3345

**SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENTS	CAS NO.	APPROX	OSHA PEL	ACGIH TLV	OTHER LIMITS	HMIS	NFPA
		%					
Triethanolamine	102-71-6	1.60	N/D	N/D	TWA 0.5 mg/m3	H1,F0,R0	N/D
Propylene Glycol Ether	34590-94-8	4.70	100 ppm	100 ppm	STEL 150 ppm	H0,F2,R0	H0,F2,R0
Sodium Metasilicate	6834-92-0	1.88	N/D	N/D	N/D	H3,F0,R0	N/D

**SECTION 3 HAZARDS IDENTIFICATION**

**SUMMARY OF ACUTE HAZARDS** Irritation to eyes, nose, and throat; drowsiness, narcosis, tremors, and other CNS effects at high concentrations. Skin irritation, dermatitis, and defatting.

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	PRIMARY ROUTE(S)
<b>INHALATION:</b>	Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression, and unconsciousness.	Yes
<b>EYE CONTACT:</b>	Watering, blurred vision, inflammation, and irritation which can result in corneal injury.	Yes
<b>SKIN CONTACT:</b>	Irritation, dermatitis.	Yes
<b>INGESTION:</b>	Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion.	No

**SUMMARY OF CHRONIC HAZARDS:** Skin irritation, dermatitis, and defatting. Possible liver and kidney damage.  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

**SECTION 4 FIRST AID MEASURES**

**INHALATION:** If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.  
**EYE CONTACT:** Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.  
**SKIN CONTACT:** Wash with soap and water. Remove contaminated clothing.  
**INGESTION:** Give large amounts of water, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

**SECTION 5 FIRE FIGHTING MEASURES**

**FLASH POINT:** None  
**EXTINGUISHING MEDIA:** Use agents suitable for surrounding fires.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Material will not sustain combustion.

**FLAMMABILITY LIMITS:** LEL: N/D UEL: N/D

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup. Also, if product is subject to CERCLA reporting (see Section 15) notify the National Response Center.

**SECTION 7 STORAGE AND HANDLING**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.  
**OTHER PRECAUTIONS:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all products precautions. Do not reuse empty containers. **KEEP OUT OF REACH OF CHILDREN.**

5971

MSDS0222

Ver. No.1

Ver. Date June 22, 2000

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION (SPECIFY TYPE):** In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators.

**VENTILATION – LOCAL EXHAUST:** Acceptable

**SPECIAL:** N/A

**MECHANICAL (GENERAL):** Preferable

**OTHER:** N/A

**PROTECTIVE GLOVES:** Wear non-permeable gloves.

**EYE PROTECTION:** Chemical splash goggles (ANSI Z-87.1 or equivalent).

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Coveralls recommended.

**WORK/HYGIENIC PRACTICES:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT:** 212°F (100°C) @ 760mm Hg

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.99

**VAPOR PRESSURE (mm Hg):** 17 @ 68°F (20°C)

**MELTING POINT:** N/A

**VAPOR DENSITY (AIR = 1):** N/A

**EVAPORATION RATE (ETHYL ACETATE = 1):** < 1

**SOLUBILITY IN WATER:** Soluble

**APPEARANCE/ODOR:** Green Liquid / Sweet

**SECTION 10 STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Heat, sparks, open flames, and strong oxidizers

**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizers, acids and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, and fragmented hydrocarbons.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11 TOXICOLOGY INFORMATION**

**CARCINOGENICITY:** NTP: No

**IARC MONOGRAPHS:** No

**OSHA REGULATED:** No

SUBSTANCE	LD50	LC50
Triethanolamine	Oral-Rat LD50:8 g/kg	N/D
Propylene Glycol Ether	Oral-Rat LD50:5660 mg/kg	N/D
Sodium Metasilicate	Oral-Rat LD50:1153 mg/kg	N/D

**SECTION 12 ECOLOGICAL INFORMATION**

SUBSTANCE	FOOD CHAIN			
	CON POTENTIAL	WATERFOWL TOXICITY	BOD	AQUATIC TOXICITY
Triethanolamine	None	N/A	1%	> 100 ppm/48 hr/shrimp/LC50
Propylene Glycol Ether	N/A	N/A	N/A	N/A
Sodium Metasilicate	None	N/A	None	2320 ppm/96 hr/mosquito fish/TLm

**SECTION 13 DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of absorbed materials and liquid waste in accordance with all local, state and federal regulations.

**SECTION 14 TRANSPORTATION INFORMATION**

**DOT:** Non-Regulated

**OCEAN (IMDG):** Non-Regulated

**AIR (IATA):** Non-Regulated

**WHMIS (CANADA):** Non-Regulated

**SECTION 15 REGULATORY INFORMATION**

SUBSTANCE	SARA 313	TSCA INVENTORY	CERCLA RQ	RCRA CODE
Triethanolamine	No	Yes	N/A	N/A
Propylene Glycol Ether	No	Yes	N/A	N/A
Sodium Metasilicate	No	Yes	N/A	N/A

**SECTION 16 OTHER INFORMATION**

This document is prepared pursuant to the OSHA Hazardous Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, express or implied is made. Consult RectorSeal for further information: (713) 263-8001.