

# MATERIAL SAFETY DATA SHEET

FREMONT INDUSTRIES, INC.  
4400 Valley Industrial Blvd. N.  
P.O. Box 67  
Shakopee, MN 55379

PHONE: (612) 445-4121  
FAX: (612) 496-3027  
EMERGENCY PHONE: (612) 445-4121  
CHEMTREC: (800) 424-9300

## FREMONT 9104M

### SECTION I GENERAL INFORMATION

NAME ON LABEL (Identity): FREMONT 9104M Cooling Water Iron and Silica Dispersant  
CHEMICAL FAMILY: Base  
HMIS HAZARD CODES: Health (2) Flammability (0) Reactivity (1)  
NFPA HAZARD CODES: Health (2) Flammability (0) Reactivity (1) Special Hazard: NA  
HAZARD RATING SCALE: 4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal

### SECTION II HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPOUNDS (CHEMICAL & COMMON NAME(S))	PERCENT (OPTIONAL)	OSHA PEL	ACGIH TLV	CAS #
Acrylic Polymers	< 25	NE	NE	Not Available
Sodium Hydroxide	< 6	c 2 mg/M <sup>3</sup>	c 2 mg/M <sup>3</sup>	1310-73-2

NA = Not Applicable NE = Not Established

### SECTION III PHYSICAL DATA

BOILING POINT (°F): 212° F SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.04  
VAPOR PRESSURE (mm Hg): NE  
SOLUBILITY IN WATER: Complete EVAPORATION RATE (BuAc = 1): NE  
VAPOR DENSITY (Air = 1): NE MELTING POINT (°F): NE  
APPEARANCE AND ODOR: Light amber, clear liquid with slight burnt sugar odor.

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): Noncombustible  
FLAMMABLE LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.  
AUTO-IGNITION TEMPERATURE: NA

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear all protective equipment including self-contained breathing apparatus when exposed to smoke, fumes or hazardous decomposition products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material can splatter above 100°C/212°F. Dried product can burn.

### SECTION V REACTIVITY DATA

STABILITY: Unstable  Stable   
CONDITIONS TO AVOID: Avoid temperatures above 350°F, the onset of polymer decomposition.  
INCOMPATIBILITY (Materials to Avoid): Avoid contact with strong acids.  
HAZARDOUS POLYMERIZATION: Will Not Occur  May Occur   
CONDITIONS TO AVOID: None  
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield acrylic monomers.

### SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Inhalation, eye contact, skin contact.

HEALTH HAZARDS: Acute - May cause severe irritation or burns to skin, eyes, mucous membranes and respiratory tract.  
Chronic - May cause ulceration or destruction of body tissues.

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## SECTION VI HEALTH HAZARD DATA (continued)

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: Yes \_\_\_ No X

NATIONAL TOXICOLOGY PROGRAM: Yes \_\_\_ No X

I.A.R.C. MONOGRAPHS: Yes \_\_\_ No X OSHA: Yes \_\_\_ No X

SIGNS AND SYMPTOMS OF EXPOSURE: Reddening, burning, or itching of skin; watering or blurring of eyes; irritation of nose, throat or lungs.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory or skin irritation; possible burns to eyes; breathing difficulties.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

SKIN: Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

INHALATION: Move subject to fresh air.

INGESTION: If swallowed, give 2 glasses of water, citrus juice, or 1:1 vinegar/water solution to drink. Consult a physician. Never give anything by mouth to an unconscious person.

## SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb bulk spill on inert material and containerize. Neutralize residue with weak acid and flush to drain with plenty of water. Spill may be slippery. Wear all protective equipment.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wear all protective equipment. Store away from and do not mix with strong acids. Use with adequate ventilation.

OTHER PRECAUTIONS: Store at room temperature. Keep container closed when not in use.

## SECTION VIII SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): NIOSH/MSHA approved for dusts, fumes and mists (TC-21C-202, i.e. 3M #9920).

VENTILATION: LOCAL EXHAUST: Recommended  
MECHANICAL (General): X SPECIAL: NA OTHER: NA

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Splash proof safety goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full cover clothing, including long sleeves, rubber apron. Eye wash and safety shower in immediate vicinity.

WORK/HYGIENIC PRACTICES: Wear all protective equipment. Wash thoroughly after handling product. Do not smoke near containers. Store away from food. Wash contaminated clothing before reuse.

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## SECTION IX REGULATORY INFORMATION

CERCLA 40 CFR 302.4: NA

SARA TITLE III:

Section 302/304: NA

Section 311/312 Hazard Category: NA

Section 313: NA

Bruce Busch (Chemist)

9-19-95

N/A

Prepared by (Optional)

Issue Date

Supersedes

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