

MATERIAL SAFETY DATA SHEET



FREMONT INDUSTRIES, INC.

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PHONE: (952) 445-4121

FAX: (952) 496-3027

EMERGENCY PHONE: (952) 445-4121

CHEMTREC: (800) 424-9300

FREMONT 9111

SECTION I GENERAL INFORMATION

NAME ON LABEL (Identity): FREMONT 9111

CHEMICAL FAMILY: Quaternary Ammonium Chloride

HMS HAZARD CODES: Health (2) Flammability (0) Reactivity (0)

NFPA HAZARD CODES: Health (2) Flammability (0) Reactivity (0) 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))

Poly [Oxyethylene (Dimethylimino)

Ethylene - (Diethylimino) Ethylene

Dichloride]

PERCENT
(OPTIONAL)

10

OSHA
PEL

NE

ACGIH
TLV

NE

CAS #

31075-24-8

NA = Not Applicable NE = Not Established

SECTION III PHYSICAL DATA

BOILING POINT (°F): 212°F

SPECIFIC GRAVITY (H₂O = 1): 1.05

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: Clear, light yellow liquid, quaternary ammonium chloride odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): Nonflammable (T.C.C.)

FLAMMABLE LIMITS: LEL: NA UEL: NA

EXTINGUISHING MEDIA: As recommended for primary source of 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. Keep containers cool with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V REACTIVITY DATA

STABILITY: Unstable Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will Not Occur May Occur

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen.

SECTION VI HEALTH HAZARD DATA

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

HEALTH HAZARDS: Acute - Acute Oral LD50 (Rats): Male 3690 mg/kg; Female 1850 mg/kg

Chronic - May be irritating to eyes. Produces reversible minimal effects to eyes in the form of erythema, chemosis, and discharges.

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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.

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

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush immediately with cool water for 15 minutes. Call physician immediately.

SKIN: Flush immediately with cool water for 15 minutes. Call physician immediately.

INHALATION: Remove to fresh air. If any irritation persists, call physician immediately.

INGESTION: DO NOT INDUCE VOMITING. If conscious, rinse mouth, then give 1-2 glasses of milk or water. Do not give alcohol or alcohol related products. Call physician and/or Chemtrec immediately.

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. Do not flush to storm sewers, lakes, streams, estuaries, etc. 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. 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. Do not smoke near containers. Store away from food. Wash contaminated clothing before re-use.

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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: Acute

Section 313: NA

Bruce Busch (Chemist)

9/15/00

4/14/99

Prepared by (Optional)

Issue Date

Supersedes

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