

3/31/05

MATERIAL SAFETY DATA SHEET

FREMONT INDUSTRIES, INC.
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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 9967

SECTION I GENERAL INFORMATION

NAME ON LABEL (Identity): FREMONT 9967 Liquid Oxygen Scavenger
CHEMICAL FAMILY: Base
HMIS HAZARD CODES: Health (1) Flammability (0) Reactivity (1)
NFPA HAZARD CODES: Health (1) 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))	PERCENT (OPTIONAL)	OSHA PEL	ACGIH TLV c 2 mg/M ³	CAS #
Product Contains: Potassium Hydroxide	18	NE		1310-58-3

NA = Not Applicable NE = Not Established

SECTION III PHYSICAL DATA

BOILING POINT (°F): 212°F	SPECIFIC GRAVITY (H ₂ O = 1): 1.23
VAPOR PRESSURE (mm Hg): NE	EVAPORATION RATE (BuAc = 1): NE
SOLUBILITY IN WATER: Complete	MELTING POINT (°F): NE
VAPOR DENSITY (Air = 1): NE	
APPEARANCE AND ODOR: Clear, colorless liquid with no appreciable 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V REACTIVITY DATA

STABILITY: Unstable Stable
CONDITIONS TO AVOID: None
INCOMPATIBILITY (Materials to Avoid): Strong acids and strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will Not Occur May Occur
CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur, and nitrogen.

SECTION VI HEALTH HAZARD DATA

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

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

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush immediately with cool water for 15 minutes. Contact 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, give large amounts of water. 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. Flush residue 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 or oxidizing agents. 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: Potassium Hydroxide RQ = 1,000 lbs. Product RQ = 5,555 lbs.

SARA TITLE III:

Section 302/304: NA

Section 311/312 Hazard Category: Acute

Section 313: NA

Bruce Busch (Chemist)

2-7-98

11-17-95

Prepared by (Optional)

Issue Date

Supersedes

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