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))
Product Contains: Potassium Hydroxide

PERCENT
OSHA
ACGIH
(TOTAL)
PERCENT
OSHA
ACGIH
18
PEL
TLV
0.018
2 mg/M³

CAS #
1310-58-3

NA = Not Applicable  NE = Not Established

SECTION III PHYSICAL DATA
BOILING POINT (°F): 212°F
VAPOR PRESSURE (mm Hg): NE
SOLUBILITY IN WATER: Complete
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 X Stable
CONDITIONS TO AVOID: None
INCOMPATIBILITY (Materials to Avoid): Strong acids and strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will Not Occur X 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. MONOGRAPH: 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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