

MATERIAL SAFETY DATA SHEET



FREMONT INDUSTRIES, INC.

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FREMONT 9134

SECTION I GENERAL INFORMATION

NAME ON LABEL (Identity): FREMONT 9134 Inhibited Propylene Glycol
CHEMICAL FAMILY: Glycol
HMIS HAZARD CODES: Health (1) Flammability (1) Reactivity (0)
NFPA HAZARD CODES: Health (1) Flammability (1) 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	CAS #
Propylene Glycol	90-95	NE	NE	57-55-6

NA = Not Applicable NE = Not Established

SECTION III PHYSICAL DATA

BOILING POINT (°F): 370°F
VAPOR PRESSURE (mm Hg): 0.22 @ 20°C
SOLUBILITY IN WATER: Complete
VAPOR DENSITY (Air = 1): 2.62
APPEARANCE AND ODOR: Clear, yellow, odorless liquid.

SPECIFIC GRAVITY (H₂O = 1): 1.040
EVAPORATION RATE (BuAc = 1): NE
MELTING POINT (°F): NE

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 218°F (PMCC)
FLAMMABLE LIMITS: LEL: NE UEL: NE
EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide, dry chemical.
AUTO-IGNITION TEMPERATURE: NE

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 X
CONDITIONS TO AVOID: None
INCOMPATIBILITY (Materials to Avoid): Strong oxidizers.
HAZARDOUS POLYMERIZATION: Will Not Occur X May Occur ___
CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Propionaldehyde, carbon monoxide in the presence of limited oxygen in a fire situation.

SECTION VI HEALTH HAZARD DATA

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

HEALTH HAZARDS: Acute - May cause irritation to eyes, mucous membranes, and respiratory tract.
Chronic - Repeated excessive ingestion may cause central nervous system effects.

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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. If any irritation persists, call physician.

SKIN: Flush immediately with cool water for 15 minutes. If any irritation persists, call physician.

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

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 1-2 glasses of water. If any irritation persists, call physician and/or Chemtrec.

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. 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 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-84A-0120; e.g. 3M #8210 or #8511 N-95 particulate respirator).

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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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)

4/5/05

11/14/01

Prepared by (Optional)

Issue Date

Supersedes

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