

# MATERIAL SAFETY DATA SHEET



**FREMONT INDUSTRIES, INC.**  
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**FREMONT 9117**

## SECTION I GENERAL INFORMATION

NAME ON LABEL (Identity): FREMONT 9117 Microbiocide  
CHEMICAL FAMILY: Acid  
HMIS HAZARD CODES: Health ( 3 ) Flammability ( 0 ) Reactivity ( 1 )  
NFPA HAZARD CODES: Health ( 3 ) 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	CAS #
Methylene Bis (Thiocyanate)	2.5	NE	NE	6317-18-6
2-(Thiocyanomethylthio) Benzothiazole	2.5	NE	NE	21564-17-0

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: Dark brown liquid, sweet solvent odor.

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.96  
EVAPORATION RATE (BuAc = 1): NE  
MELTING POINT (°F): NE

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 138°F (T.O.C.)  
FLAMMABLE LIMITS: LEL: NE UEL: NE  
EXTINGUISHING MEDIA: As recommended for primary source of fire.  
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   
CONDITIONS TO AVOID: None  
INCOMPATIBILITY (Materials to Avoid): Strong bases.  
HAZARDOUS POLYMERIZATION: Will Not Occur  May Occur   
CONDITIONS TO AVOID: None  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur, hydrogen sulfide.

## SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Inhalation, contact with skin and eyes.

HEALTH HAZARDS: Acute - May cause respiratory irritation.  
Chronic - May ulcerate and ultimately destroy 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: Redness of skin, itching or burning of skin, watering or burning of eyes, difficulty in breathing.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May cause skin and eye irritation. May burn eyes. May irritate respiratory tract. Harmful if swallowed.

EMERGENCY AND FIRST AID PROCEDURES:

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

SKIN: Remove contaminated clothing. Flush affected area for 15 minutes with cool water. Call physician if irritation persists.

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

INGESTION: If conscious, drink 2 glasses of water and INDUCE VOMITING. 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 onto inert material such as sand or vermiculite and containerize. Flush remaining residue to drain with copious amounts of water.

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 when handling. Wash after handling.

OTHER PRECAUTIONS: Use adequate ventilation. Mist is irritating. Keep container closed when not in use. Wash or discard contaminated clothing. Avoid freezing.

## SECTION VIII SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): NIOSH/MSHA approved respirator for organic vapors (TC-23C-446; e.g. 3M Series 7000 respirator with 7253 cartridges).

VENTILATION: LOCAL EXHAUST: Recommended  
MECHANICAL (General): Recommended SPECIAL: None OTHER: None

PROTECTIVE GLOVES: Rubber gloves.

EYE PROTECTION: Splash proof safety goggles and/or full face shield.

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

WORK/HYGIENIC PRACTICES: Store away from food. Wash after handling and before eating. Wear all protective equipment. Do not ingest. Keep out of reach of children.

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## SECTION IX REGULATORY INFORMATION

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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

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Bruce Busch (Chemist)

4/5/05

2/17/99

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Prepared by (Optional)

Issue Date

Supersedes

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