

MATERIAL SAFETY DATA SHEET



FREMONT INDUSTRIES, INC.
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FREMONT FTR #12

SECTION I GENERAL INFORMATION

NAME ON LABEL (Identity): FREMONT FTR #12 "P" Indicator
CHEMICAL FAMILY: Phenolphthalein Indicator Solution
HMIS HAZARD CODES: Health (1) Flammability (3) Reactivity (1)
NFPA HAZARD CODES: Health (0) Flammability (3) Reactivity (1) 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 #
Ethyl Alcohol, Technical	49.0	1000 ppm	1000 ppm	64-17-5
Water	50.0	NA	NA	7732-18-5
Phenolphthalein, Technical	< 1.0	NE	NE	77-09-8

NA = Not Applicable NE = Not Established

SECTION III PHYSICAL DATA

BOILING POINT (°F): 174°F
VAPOR PRESSURE (mm Hg): 57 mm HG (20°C)
SOLUBILITY IN WATER: Complete
VAPOR DENSITY (Air = 1): 1.5
APPEARANCE AND ODOR: Clear water - white liquid and alcoholic odor.

SPECIFIC GRAVITY (H₂O = 1): 0.90 g/cc
EVAPORATION RATE (BuAc = 1): 1.70
MELTING POINT (°F): NA

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 41°F (T.C.C.)
FLAMMABLE LIMITS: LEL: 3.0 UEL: 19.0
EXTINGUISHING MEDIA: Dry chemical, CO₂ or universal type foam.
AUTO-IGNITION TEMPERATURE: Unknown

SPECIAL FIRE FIGHTING PROCEDURES: The use of a SCBA is recommended for fire fighting for a large quantity.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep work area free of hot metal surfaces and other ignition sources.

SECTION V REACTIVITY DATA

STABILITY: Unstable Stable
CONDITIONS TO AVOID: High heat.
INCOMPATIBILITY (Materials to Avoid): Oxidizing agents.
HAZARDOUS POLYMERIZATION: Will Not Occur May Occur
CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Eyes, skin and inhalation.

HEALTH HAZARDS: Acute - Irritation to skin, eyes, and respiratory system.

Chronic - Severe irritation to skin and eyes, respiratory system. May cause dermatitis.

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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 watering of eyes, itching or reddening of skin, breathing difficulties, dizziness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or respiratory system irritation.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with plenty of water for at least 15 minutes and call a physician immediately.

SKIN: Wash with plenty of water for 15 minutes.

INHALATION: Remove to fresh air.

INGESTION: Induce vomiting immediately. Contact a physician immediately.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Absorb onto paper towel and evaporate under fume hood if possible.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations. May be disposed of in sewer if acceptable.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed when not in use. Store away from sources of heat and ignition.

OTHER PRECAUTIONS: Do not ingest. Avoid contacting eyes and breathing vapors.

SECTION VIII SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): NA

VENTILATION: LOCAL EXHAUST: NA
MECHANICAL (General): X SPECIAL: NA OTHER: NA

PROTECTIVE GLOVES: Rubber gloves.

EYE PROTECTION: Safety goggles or splash resistant face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Rubber apron, rubber boots, eye wash, full cover clothing.

WORK/HYGIENIC PRACTICES: Do not ingest. Wash thoroughly after handling and store away from food. Store away from heat and ignition source.

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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, fire hazard

Section 313: NA

E.H.C. (Chemist)

12/12/00

1/5/99

Prepared by (Optional)

Issue Date

Supersedes

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