

# 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 (H<sub>2</sub>O = 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, CO<sub>2</sub> 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

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E.H.C. (Chemist)

12/12/00

1/5/99

Prepared by (Optional)

Issue Date

Supersedes

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