

****Material Safety Data Sheet****
Emergency Phone # : 1-800-424-9300
Information Phone # : (562) 699-5070

High Sierra Chemical
P O Box 822
Chippewa Falls, WI 54729

Latest Revision Date...6/26/03
Print Date.....7/10/03

MANN'S CIP FOAM

SECTION 1 PRODUCT IDENTIFICATION

Product Name or Number..... Mann's CIP Foam
Trade Name or Chemical Name..... Mann's CIP Foam
Synonyms..... N/A
Formula..... Proprietary
Chemical Family..... Alkaline Cleaner
Molecular Weight..... N/A
NFPA..... See Section 8
HMIS Rating..... See Section 8

SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA

Chemical Name(s)	CAS #	% WT	TLV-ACGIH	PEL-OSHA	SEC.313	NTP	IARC	PROP.65
Potassium Hydroxide	1310-58-3	<10.0	2MG/M3	None	No	No	No	No
Tetrapotassium Pyrophosphate	7320-34-5	<5.0	NA	NA	No	NA	NA	No

SECTION 3 REGULATORY DATA

NTP..... National Toxicology Program
IARC..... International Agency For Research on Cancer
This product does not contain ingredients on the list of Proposition 65.
Proposition 65..... State of California safe drinking water and toxic enforcement act of 1986
Section 313 Sara Title III..... The chemical(s) marked with a "yes" on section 313 are subject to the reporting requirements of this section

SECTION 4 PHYSICAL DATA

Boiling/Melting Point..... >212 °F
pH..... >12
Percent Volatile by Weight (%)..... 85
Specific Gravity or Bulk Density..... 1.11
Solubility in Water..... Complete
Appearance..... Clear, Odorless Liquid
Odor..... None

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

Flash Point ° F (Test Method).....	N/A
Autoignition Temperature.....	Non Flammable
Flammability Limits in Air (% V).....	None
Extinguishing Media.....	Water, carbon dioxide, dry chemical
Special Fire Fighting Procedures.....	Wear self contained breathing apparatus and full protective clothing
Unusual Fire and Explosion Hazards...	It can react with some metals forming flammable hydrogen gas.

SECTION 6 HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

Threshold Limit Value.....	See Section 2
SIGNS OF OVEREXPOSURE:	
Eyes.....	Will cause severe burns that result in damage to the eyes and possible blindness
Skin.....	Will cause severe burns and irritation which may not be immediately painful or visible
Inhalation.....	Airborne concentrations of dust mist, or spray may cause damage to the upper respiratory tract and the lung tissue.
Ingestion.....	If swallowed, can cause severe burns of mucous membranes of the mouth, throat, and stomach.
Chronic.....	No known chronic effects.

SECTION 7 EMERGENCY AND FIRST AID PROCEDURES

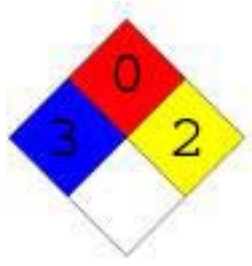
Inhalation.....	Remove victim to fresh air. If breathing is difficult, assist breathing. Seek medical help.
Eye Contact.....	Immediately flush eyes with large quantities of water. Remove any contact lenses and continue to flush with water for at least 15 minutes. Contact a physician.
Skin Contact.....	Immediately wash skin with large quantities of water for at least 15 minutes. Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse.
Ingestion.....	Never give anything by mouth to an unconscious person. Do not induce vomiting. Give large quantities of water. Get medical attention immediately.

SECTION 8

HMIS RATING SYSTEM

NFPA

HMIS RATING



Health Hazard.....3
Fire Hazard.....0
Reactivity.....2
Personal Protection.....See Section 10

SECTION 9

REACTIVITY DATA

Product Stability..... Stable
Conditions to Avoid.....
Chemical Incompatibility..... Mixture with water or acid can cause splattering and release of large amounts of heat. It can react with some metals (such as aluminum) forming flammable hydrogen gas.
Hazardous Decomposition Products..... Not known
Hazardous Polymerization..... Will not occur
Conditions to Avoid..... Moisture, keep container closed
Corrosive to Metal..... Yes
Oxidizer..... No

SECTION 10

SPECIAL PROTECTION INFORMATION

Respiratory Protection..... NIOSH/MSHA-approved organic vapor/dust acid-gas respirator when vapors or dust are generated above the permissible limit above TLV or PEL.
Ventilation..... Local exhaust to control to recommended P.E.L.
Protective Clothing..... Gloves, coveralls, aprons, boots – as necessary to prevent skin contact.
Eye Protection..... Clean clothing should be worn daily. Eyewash fountains and safety showers should be easily accessible.

SECTION 11

ENVIRONMENTAL DATA

Environmental Toxicity Data..... Not Available
Spill or Leak Procedures..... Contain and placed in approved container for disposal. Neutralize remaining traces of material with soda ash, then flush with water.
Waste Disposal Method..... Per local, state, and federal regulations.
Container Disposal..... Per local, state, and federal regulations.

SECTION 12**SHIPPING DATA**

D.O.T. Proper Shipping Name.....	Potassium hydroxide solution
Hazardous Substance 49CFR cercla.....	None
D.O.T. Hazard Class.....	8
D.O.T. Labels Required.....	Corrosive
D.O.T. Placards Required.....	Corrosive
Poison Constituent.....	No
Bill of Lading Description.....	Mann's CIP Foam
Packing Group.....	II
UN/NA Code.....	UN 1814

SECTION 13**SUPPLIER INFORMATION**

While Custom Chemical Formulators believes the statements set forth herein are accurate as of the date hereof, Custom Chemical Formulators makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.