

MATERIAL SAFETY DATA SHEET \*\*\*\*

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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

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT</u>	<u>TLV-ACGIH</u>	<u>PEL-OSHA</u>	<u>SEC.313</u>	<u>NTP</u>	<u>IARC</u>	<u>PROP.65</u>
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  
PROPOSITION 65..... THIS PRODUCT CONTAINS INGREDIENTS ON  
THE LIST OF 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 @760 mm Hg ≥212°F  
pH..... >12  
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 & EXPLOSION HAZARDS IT CAN REACT WITH SOME METALS FORMING  
FLAMMABLE HYDROGEN GAS.

MANN'S CIP FOAM

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SECTION 6 HEALTH HAZARD DATA \* EFFECTS OF OVEREXPOSURE  
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THRESHOLD LIMIT VALUE.....SEE SECTION 2

SIGN 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

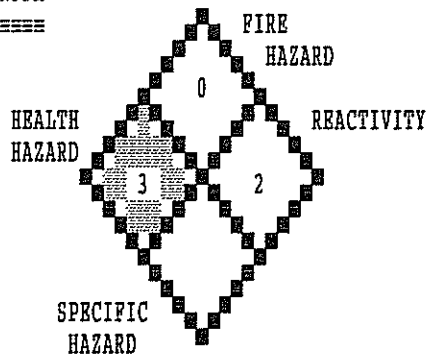
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SECTION 7 EMERGENCY AND FIRST AID PROCEDURES  
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INHALATION...REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, ASSIST BREATHING. SEEK MEDICAL HELP.  
EYE CONTACT...IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER. REMOVE ANY CONTACT LENSES AND CONTINUE 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.

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SECTION 8 HMIS RATING SYSTEM  
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NFPA

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HMIS RATING

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HEALTH HAZARD.....:3  
FIRE HAZARD.....:0  
REACTIVITY.....:2  
PERSONAL PROTECTION....: SEE SECTION 10

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SECTION 9 REACTIVITY DATA  
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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

