

MATERIAL SAFETY DATA SHEET ****

HIGH SIERRA CHEMICALS
P.O. BOX 848
CHIPPEWA FALLS, WI 54729

Phone#: (715) 723-4915

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EMERGENCY PHONE NUMBER: 1-800-424-9300

HS FOAM CLEANER

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER..... HS FOAM CLEANER
TRADE NAME OR CHEMICAL NAME..... HS FOAM CLEANER
SYNONYMS..... NONE
FORMULA..... PROPRIETARY
CHEMICAL FAMILY..... CHLORINATED ALKALI DETERGENT
MOLECULAR WEIGHT..... N/A
NFPA..... SEE SECTION 8
HMIS RATING..... SEE SECTION 8

SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-ACGIH	PEL-OSHA	SEC. 313	NTP	IARC	PROP. 65
SODIUM HYPOCHLORITE	7681-52-9	<5.0	0.5 ppm as Cl 2	0.5 ppm as Cl 2	No	NO	NO	No
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..... 13.5
SPECIFIC GRAVITY OR BULK DENSITY 1.151
SOLUBILITY IN WATER..... SOLUBLE
APPEARANCE..... LIGHT YELLOW LIQUID
ODOR..... SLIGHT CHLORINE

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT °F (Test Method).... N/A
AUTOIGNITION TEMPERATURE..... NON FLAMMABLE
FLAMMABILITY LIMITS IN AIR (% V) N/A
EXTINGUISHING MEDIA..... FOAM, CARBON DIOXIDE, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES WEAR SELF CONTAINED BREATHING APPARATUS
AND FULL PROTECTIVE CLOTHING. USE WATER
TO COOL CONTAINERS BUT AVOID GETTING WATER
INTO CONTAINER.

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SECTION 5

FIRE AND EXPLOSION HAZARD DATA

CONT'D

UNUSUAL FIRE & EXPLOSION HAZARDS AVOID DIRECT CONTACT WITH WATER. CAN CAUSE VIOLENT EXOTHERMIC REACTION. CHLORINE GAS CAN BE FORMED IN CASE OF FIRE.

SECTION 6

HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

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

SECTION 7

EMERGENCY AND FIRST AID PROCEDURES

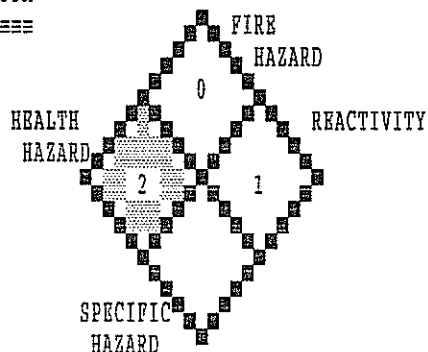
- INHALATION...REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, ASSIST BREATHING. SEEK MEDICAL HELP.
EYE CONTACT...IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONTACT A PHYSICIAN.
SKIN CONTACT...IMMEDIATELY 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

HMS RATING SYSTEM

NFPA

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HMS RATING

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- HEALTH HAZARD.....:2
FIRE HAZARD.....:0
REACTIVITY.....:1
PERSONAL PROTECTION.: SEE SECTION 10

SECTION 9

REACTIVITY DATA

PRODUCT STABILITY..... STABLE

HS FOAM CLEANER

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SECTION 9 REACTIVITY DATA CONT'D
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Conditions to Avoid.....
CHEMICAL INCOMPATIBILITY..... AVOID CONTACT WITH WATER, ACIDS, OXIDIZING AGENTS, ORGANIC CHEMICALS, METALS SUCH AS ALUMINUM, ZINC & COPPER. CONTACT WILL CAUSE VIOLENT EXOTHERMIC REACTION.
HAZARDOUS DECOMPOSITION PRODUCTS CARBON MONOXIDE GAS CAN FORM UPON CONTACT WITH FOOD & BEVERAGE PRODUCT IN ENCLOSED SPACES. CHLORINE GAS CAN BE PRODUCED.
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR
Conditions to Avoid..... KEEP CONTAINER CLOSED.
CORROSIVE TO METAL..... YES
OXIDIZER..... NO

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SECTION 10 SPECIAL PROTECTION INFORMATION
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RESPIRATORY PROTECTION.....Respirator protection is not required under normal use.
VENTILATION.....Local exhaust to control to recommended P.E.L.
PROTECTIVE CLOTHING.....Gloves, coveralls, aprons, boots
EYE PROTECTION.....Chemical goggles.

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SECTION 11 ENVIRONMENTAL DATA
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ENVIRONMENTAL TOXICITY DATA..... NONE KNOWN
SPILL OR LEAK PROCEDURES..... CONTAIN, COLLECT AND DISPOSE PER LOCAL, STATE AND FEDERAL REGULATIONS.
WASTE DISPOSAL METHOD..... PER LOCAL, STATE AND FEDERAL REGULATIONS.
CONTAINER DISPOSAL..... PER LOCAL, STATE AND FEDERAL REGULATIONS.

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SECTION 12 SHIPPING DATA
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D.O.T. PROPER SHIPPING NAME..... CORROSIVE LIQUID, BASIC, INORGANIC, NOS (POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE)
HAZARDOUS SUBSTANCE..... RQ - 1000 LBS.
D.O.T. HAZARD CLASS..... 8
D.O.T. LABELS REQUIRED..... CORROSIVE
D.O.T. PLACARDS REQUIRED..... CORROSIVE
POISON CONSTITUENT..... NONE
BILL OF LADING DESCRIPTION..... HS FOAM CLEANER
PACKING GROUP..... II
UN/NA CODE..... UN 3266

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SECTION 13 SUPPLIER INFORMATION
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