

KOOL-CHLOR

Page: 1

PRODUCT NAME: KOOL-CHLOR

TRADE SECRET REGISTRY #307554-5205P

HMIS CODES: H F R P

UN NUMBER : N/A

2 0 0 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: PARISER INDUSTRIES
 ADDRESS : 91 MICHIGAN AVE
 PATERSON, NJ 07503

EMERGENCY PHONE : 800-424-9300 DATE PRINTED : 01/26/04
 INFORMATION PHONE : 973-569-9090 NAME OF PREPARER : ENVIRONMENTAL DEPARTMENT

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		mm Hg	@ TEMP	
HYPOCHLORITE AQUEOUS SOLUTION NOT ESTABLISHED	7681-52-9	N/A	N/A	35.00

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

pH 1% SOLUTION : 11.7 +/- .5
 BOILING RANGE: 110°C SPECIFIC GRAVITY (H2O=1): 1.16
 VAPOR DENSITY: N/A EVAPORATION RATE: (WATER = 1): 1
 COATING V.O.C.: NOT APPLICABLE MATERIAL V.O.C.: NOT APPLICABLE
 SOLUBILITY IN WATER: SOLUBLE
 APPEARANCE AND ODOR: LIGHT YELLOW - GREEN/PUNGENT LIKE CHLORINE

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT : N/A METHOD USED: n/a
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES

USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND STRUCTURES. USE WATER SPRAY TO DISPERSE VAPORS; RE-IGNITION IS POSSIBLE. USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CAN DECOMPOSE TO FORM IRRITATING CHLORINE GAS AND OXYGEN.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

SOLUTIONS OF SODIUM HYPOCHLORITE ARE FAIRLY STABLE IN CONCENTRATIONS BELOW 10%. STABILITY DECREASES WITH CONCENTRATION, HEAT, LIGHT, EXPOSURE, DECREASE IN PH, AND CONTAMINATION WITH HEAVY METALS, SUCH AS, NICKEL, COBALT, COPPER AND IRON.

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID CONTAMINATION WITH HEAVY METALS (ACT AS CATALYSTS), REDUCING AGENTS, ORGANICS, ETHER, AMMONIA AND ACIDS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

IN A FIRE, SODIUM HYPOCHLORITE MAY DECOMPOSE PRODUCING IRRITATING CHLORINE GAS

KOOL-CHLOR

Page: 2

AND OXYGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LOW CONCENTRATIONS OF VAPOR MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT, EXPERIENCED AS NASAL DISCOMFORT AND DISCHARGE, WITH CHEST PAIN AND COUGHING. HIGH CONCENTRATIONS OF VAPOR MAY CAUSE HEADACHE AND DROWSINESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

IRRITANT, REDDENING OF SKIN. SKIN DAMAGE. SEVERE IRRITATION TO EYES. FLUSH EYES AND SKIN WITH PLENTY OF WATER FOR A LEAST 15 MINUTES. CALL A PHYSICIAN IF IRRITATION OCCURS

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SEE ABOVE

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

CORROSIVE TO MUCOUS MEMBRANES OF THE MOUTH, THROAT, ESOPHAGUS AND STOMACH. MAY CAUSE PERFORATION OF THE ESOPHAGUS OR STOMACH. LARGE AMOUNTS MAY CAUSE NAUSEA, VOMITING, CRAMPS, ABDOMINAL PAIN, DIARRHEA AND SEVERE INFLAMMATION OF THE STOMACH AND INTESTINAL TRACT.

HEALTH HAZARDS (ACUTE AND CHRONIC)

FUMES FROM SPILLS ARE VERY IRRITATING TO MUCOUS MEMBRANES. VERY LITTLE HAZARD FROM PROPERLY STORED SOLUTION.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: N/A OSHA REGULATED: Yes

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE KNOWN

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE OR SKIN CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF IRRITATION OCCURS, CONSULT A PHYSICIAN. THOROUGHLY CLEAN CLOTHING AND SHOES BEFORE REUSE OR DISCARD. INGESTION: IF CONSCIOUS, DRINK LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. TAKE IMMEDIATELY TO A HOSPITAL OR PHYSICIAN. IF UNCONSCIOUS, OR IN CONVULSIONS, TAKE IMMEDIATELY TO A HOSPITAL. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

IMMEDIATELY EVACUATE THE AREA AND PROVIDE MAXIMUM VENTILATION. UNPROTECTED PERSONNEL SHOULD MOVE UPHILL OF SPILL. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN/EYE PROTECTION SHOULD BE PERMITTED IN AREA. DIKE AREA TO CONTAIN SPILL. TAKE PRECAUTIONS AS NECESSARY TO PREVENT CONTAMINATION OF GROUND AND SURFACE WATERS.

WASTE DISPOSAL METHOD

DISPOSE IN AN APPROVED HAZARDOUS WASTE MANAGEMENT FACILITY. CARE MUST BE TAKEN WHEN USING OR DISPOSING OF CHEMICAL MATERIALS AND/OR THEIR CONTAINERS TO PREVENT ENVIRONMENTAL CONTAMINATION. IT IS YOUR DUTY TO DISPOSE OF THE CHEMICAL MATERIALS AND/OR THEIR CONTAINERS IN ACCORDANCE WITH ALL REGULATIONS REGARDING DISPOSAL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

WHEN HANDLING, WEAR GLOVES, SAFETY GOGGLES AND RESPIRATORY PROTECTION. STORE IN

A COOL, DRY, WELL-VENTILATED AREA. AVOID EXCESSIVE STORAGE TEMPERATURES AND DIRECT SUNLIGHT. STORE AWAY FROM ACIDS AND ORGANICS.

OTHER PRECAUTIONS

AVOID CONTACT WITH EYES AND SKIN. MAY CAUSE BURNS TO EYES AND SKIN. AVOID INHALATION OF VAPORS, MISTS AND FUMES. USE ADEQUATE VENTILATION. VENTILATION MUST BE SUFFICIENT TO MINIMIZE EMPLOYEE EXPOSURE TO SODIUM HYPOCHLORITE. WASH THOROUGHLY AFTER HANDLING. DO NOT SWALLOW. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

NIOSH/MSHA APPROVED RESPIRATOR FOR PARTICULATES. LOCAL EXHAUST, VENTILATE AS REQUIRED.

VENTILATION

GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP VAPOR CONCENTRATIONS BELOW TLV. VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES SHOULD BE WORN. GLOVES MAY BE DECONTAMINATED BY WASHING WITH MILD SOAP AND WATER. NATURAL AND BUTYL RUBBER HAVE BEEN SUGGESTED.

EYE PROTECTION

WEAR CHEMICAL SAFETY GOGGLES PLUS FULL FACE SHIELD TO PROTECT AGAINST SPLASHING.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

EYE BATH, SAFETY SHOWER

WORK/HYGIENIC PRACTICES

WARM WATER SHOWERING, HANDWASHING AND EYEWASH STATIONS ARE RECOMMENDED IN THE WORK AREA. THOROUGHLY WASH WITH SOAP AND WATER BEFORE HANDLING FOOD, SMOKING OR APPLYING MAKEUP. WASH CONTAMINATED CLOTHING AND DRY BEFORE REUSE.

===== SECTION IX - DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY PARISER INDUSTRIES, INC., TO BE ACCURATE. AS WITH ALL CHEMICALS, KEEP AWAY FROM CHILDREN, ANIMALS, AND FOOD PRODUCTS. FOR INDUSTRIAL USE ONLY, USE AS DIRECTED.

===== SECTION X - UN CODE =====

N/A