

CHEMPAK INDUSTRIES, INC -- CHLORINE BLEACH, SODA BLEACH CID A-A-1427C --
6810-00-598-7316

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Product Identification
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Product ID:CHLORINE BLEACH, SODA BLEACH CID A-A-1427C

MSDS Date:09/07/1994

FSC:6810

NIIN:00-598-7316

Status Code:A

MSDS Number: CLLWJ

=== Responsible Party ===

Company Name:CHEMPAK INDUSTRIES, INC

Address:4941 EAST 39TH AVENUE

City:DENVER

State:CO

ZIP:80207-1089

Country:US

Info Phone Num:303-399-1240/FAX: 303-399-1939

Emergency Phone Num:(800)424-9300

Preparer's Name:HENRY SIMMONS

Chemtrek Ind/Phone:(800)424-9300

CAGE:0YS14

=== Contractor Identification ===

Company Name:CHEMPAK INDUSTRIES, INC

Address:4941 EAST 39TH AVENUE

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Composition/Information on Ingredients
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Ingred Name:HYPOCHLOROUS ACID, SODIUM SALT

CAS:7681-52-9

RTECS #:NH3486300

Minumum % Wt:5.25

Maxumum % Wt:6.6

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:SODIUM HYDROXIDE

CAS:1310-73-2

RTECS #:WB4900000

Minumum % Wt:.3

Maxumum % Wt:.7

OSHA PEL:2 MG/M3

ACGIH STEL:C2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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Hazards Identification
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Health Hazards Acute and Chronic:ACUTE: CORROSIVE/STRONGLY IRRITATING
TO THE EYES, SKIN, RESPIRATORY TRACT. INHALATION OF FUME MAY CAUSE
BURNS TO MOUTH, AND DIGESTIVE TRACT,

ABDOMINAL DISTRESS. CHRONIC:

SODIUM HYPOCHLORITE IS A CONSTANT IRRITANT TO EYES AND THROAT.

Explanation of Carcinogenicity: SODIUM HYPOCHLORITE AQUEOUS NOT LISTED BY NTP, IARC, & OSHA AS CARCINOGENIC.

Effects of Overexposure: SEVERE RESPIRATORY TRACT IRRITATION & PULMONARY EDEMA. SKIN IRRITATION/BURNS. SEVERE EYE IRRITATION, BURNS, CORROSION. INFLAMMATION OF MOUTH/DIGESTIVE, BURNS AND PERFORATION OF ESOPHAGUS AND STOMACH, VOMITING, CIRCULATORY COLLAPSE, CONFUSION, COMA.

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===== First Aid Measures =====

First Aid: EYES: FLUSH WITH WATER FOR LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION IMMEDIATELY. SKIN: FLUSH AFFECTED AREA THOROUGHLY WITH COOL WATER WHILE REMOVING CONTAMINATED CLOTHING. FOR REDDENED OR BLISTERED SKIN SEEK MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR AND ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF RESPIRATION STOPS, GIVE MOUTH TO MOUTH RESUSCITATION. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED DO NOT INDUCE VOMITING. TO A CONSCIOUS PERSON, GIVE LARGE QUANTITIES OF MILK OR GELATIN; IF THESE ARE NOT AVAILABLE, GIVE LARGE QUANTITIES OF WATER.

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===== Fire Fighting Measures =====

Extinguishing Media: USE WATER SPRAY, FOG, FOAM, DRY CHEMICAL OR AGENTS SUITABLE FOR MATERIALS IN SURROUNDING FIRE.

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS AND FULL

PROTECTIVE EQUIPMENT. ACID CONTAMINATION PRODUCES VERY IRRITATING FUMES SIMILAR TO CHLORINE. BE AWARE OF RUNOFF FROM FIRE CONTROL METHODS. DO NOT RELEASE TO SEWERS OR WATERWAYS.

Unusual Fire/Explosion Hazard: SODIUM HYPOCHLORITE SOLUTIONS DECOMPOSE WHEN HEATED. DECOMPOSITION PRODUCTS MAY CAUSE CONTAINERS TO RUPTURE OR EXPLODE. IF SAFE, REMOVE CONTAINERS FROM FIRE AREA TO PREVENT PRESSURE RUPTURE. VIGOROUS REACTION POSSIBLE WITH ORGANIC MATERIAL

S OR OXIDIZING AGENTS AND MAY RESULT IN FIRE.

===== Accidental Release Measures =====

Spill Release Procedures: NOTIFY SAFETY PERSONNEL AND PROVIDE ADEQUATE VENTILATION. CLEANUP PERSONNEL SHOULD PROTECT AGAINST INHALATION OF MISTS AND FUMES AND CONTACT WITH LIQUID. USE NONCOMBUSTIBLE ABSORBENTS TO PICK UP SPILL . DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. FOR LARGE SPILL, DIKE FAR AHEAD OF SPILL TO CONTAIN. CONSIDER NEUTRALIZING WITH REDUCING AGENTS.

===== Handling and Storage =====

Handling and Storage Precautions: DO NOT STORE ADJACENT TO CHEMICALS THAT MAY REACT IF SPILLAGE OCCURS. COMPLY WITH DOT REGULATIONS WHEN SHIPPED. IF CLOSED CONTAINERS BECOME HEATED, VENT TO RELEASE DECOMPOSITION PRODUCTS (MAINLY OXYGEN UNDER NORMAL DECOMPOSITION) DO NOT MIX OR CONTAMINATE WITH AMMONIA, HYDROCARBONS, ACIDS, ALCOHOLS.

===== Exposure Controls/Personal Protection =====

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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR, FOLLOWING MANUFACTURER'S RECOMMENDATIONS, SHOULD BE USED AS A PRECAUTIONARY MEASURE WHERE AIRBORNE CONTAMINANTS MAY OCCUR. FOR EMERGENCY AND NON-ROUTINE OPERATIONS WEAR SELF-CONTAINED BREATHING APPARATUS. WARNING: AIR PURIFYING RESPIRATORS DO NOT PROVIDE PROTECTION IN OXYGEN-DEFICIENT ATMOSPHERES.

Ventilation: PROVIDE GOOD GENERAL ROOM VENTILATION PLUS LOCAL EXHAUST AT POINTS OF EMISSION.

Protective Gloves: WEAR IMPERVIOUS GLOVES SUCH AS RUBBER, NEOPRENE, OR VINYL.

Eye Protection: WEAR CHEMICAL SAFETY GOGGLE PLUS FULL FACE SHIELD.

Other Protective Equipment: WEAR IMPERVIOUS PROTECTIVE INCLUDING RUBBER SAFETY SHOES. EYE WASH AND SAFETY/QUICK DRENCH SHOWERS MUST BE AVAILABLE IN CLOSE PROXIMITY TO WORK AREA.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Boiling Pt: =110.C, 230.F
Decomp Temp: =110.C, 230.F
Vapor Pres: 17.5 MM AT 20C
Spec Gravity: 1

.08

pH:11.5-13

Solubility in Water:100

Appearance and Odor:CLEAR, PALE YELLOW OR GREENISH LIQUID WITH A CHLORINE ODOR

===== Stability and Reactivity Data =====

SODIUM HYPOCHLORITE IS INCOMPATIBLE WITH AMMONIA, UREA, OXIDIZABLE MATERIALS, CHLORINE-LIBERATING VIOLENT REACTIONS WITH AMINES.

Stability Condition to Avoid:STRONG OXIDIZERS, STABILITY DECREASES WITH CONCENTRATION, HEAT, LIGHT, DECREASE IN PH AND CONTAMINATION BY METALS.

Hazardous Decomposition

Products:THERMAL OXIDATIVE DECOMPOSITION OF SODIUM HYPOCHLORITE CAN PRODUCE TOXIC FUMES OF SODIUM AND CHLORINE.

===== Toxicological Information =====

Toxicological Information:OCCASIONAL CLINICAL REPORTS SUGGEST A LOW POTENTIAL FOR SENSITIZATION UPON EXAGGERATED EXPOSURE TO SODIUM HYPOCHLORITE IF SKIN DAMAGE (IRRITATION) OCCURS DURING EXPOSURE. ROUTINE CLINICAL TESTS CONDUCTED ON INTACT SKIN WITH CLOROX LIQUID BLEACH FOUND NO SENSITIZATION IN THE TEST SUBJECTS.

===== Disposal Considerations =====

Waste Disposal Methods:REDUCE WITH AGENTS SUCH AS BISULFITES OR FERROUS SALT SOLUTIONS. SOME HEAT WILL BE PRODUCED. DEEP ON ALKALINE SIDE AND DILUTE COPIOUS AMOUNTS OF WATER. MAIN END ? PRODUCT IS SALT. COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:PSN: NOT RESTRICTED. CLOROX COMPANY'S LETTER

DATED JUNE 2,2000 (TO RON AT DDSP, NEW CUMBERLAND, PA) STATES THAT: "OUR HYPOCHLORITE SOLUTION PRODUCTS HAVE RECENTLY BEEN RETESTED AND PASSED THE STEEL, ALUMINUM AND SKIN TESTS". THEREFORE, THESE PRODUCTS ARE NOT CLASSIFIED AS HAZARDOUS MATERIALS FOR TRANSPORTATION, SINCE THEY DO NOT MEET THE DEFINITION OF A CORROSIVE.

===== Regulatory Information =====

SARA Title III Information:AS A CONSUMER PRODUCT, THIS PRODUCT IS EXE

MPT FROM SUPPLIER NOTIFICATION REQUIREMENTS UNDER SEC 313 TITLE
III OF SARA (40 CFR PART 372).

Federal Regulatory Information:EPA REGISTRATION #5813-1.

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