

****Material Safety Data Sheet****
Emergency Phone # : 1-800-424-9300
Information Phone # : (715) 723-4915

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

Latest Revision Date...11/07/02
Print Date.....01/02/03

Chlor-O-Clean

SECTION 1 PRODUCT IDENTIFICATION

Product Name or Number..... Chlor-O-Clean
Trade Name or Chemical Name..... Chlor-O-Clean
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 #	% WT	TLV-ACGIH	PEL-OSHA	SEC.313	NTP	IARC	PROP.65
Sodium Hypochlorite	7681-52-9	<5.0	None	None	No	No	No	No
Potassium Hydroxide	1310-58-3	<10.0	2 Mg/M3	None	No	No	No	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..... $\geq 212^{\circ}$ F
pH..... 13.5
Percent Volatile by Weight (%)..... 72%
Specific Gravity or Bulk Density..... 1.151
Solubility in Water..... Soluble
Appearance..... Light Yellow
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.
Unusual Fire and 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
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.....2
Fire Hazard.....0
Reactivity.....1
Personal Protection.....See Section 10

SECTION 9

REACTIVITY DATA

Product Stability..... Stable
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 and 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

SECTION 10

SPECIAL PROTECTION INFORMATION

Respiratory Protection..... Respirator protection is not required under normal use. Use NIOSH/MSHA-approved organic vapor/dust acid-gas respirator when vapors or dust are generated above permissible limit.
Ventilation..... Local exhaust to control to recommended P.E.I.
Protective Clothing..... Gloves, coveralls, aprons, boots – as necessary to prevent skin contact.
Eye Protection..... Chemical goggles

SECTION 11

ENVIRONMENTAL DATA

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.

SECTION 12**SHIPPING DATA**

D.O.T. Proper Shipping Name.....	Corrosive liquid, basic, inorganic, NOS (Potassium hydroxide, sodium hypochlorite)
Hazardous Substance 49CFR cercla.....	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.....	Chlor-O-Clean
Packing Group.....	II
UN/NA Code.....	UN 3266

SECTION 13**SUPPLIER INFORMATION**

While High Sierra Chemical believes the statements set forth herein are accurate as of the date hereof, High Sierra Chemical 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.