

Safety Data Sheet



C K Enterprises, Inc.
1204 SW Jefferson Street
Lee's Summit, Missouri 64081-9899
(816) 524-1304

Section 1. Chemical Product and Company Identification

Product Name Liqua Klor CIP
Product Use Chlorinated Alkaline Cleaner
Product Code 7500
Date of Issue 6/7/2017
Supersedes 8/15/2016

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

Acute Toxicity; Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/ eye irritation	Category 1

Precautionary Statements:

P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when handling product
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P330	Rinse mouth
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes	Causes irritation to serious eye damage depending on duration of contact.
Skin	Prolonged or repeated contact will cause irritation and drying of the skin.
Inhalation	Can cause irritation and temporary damage to the respiratory tract.
Ingestion	Harmful to all mucous membranes of the mouth, throat, esophagus, and stomach. Will cause nausea, and vomiting with gastrointestinal disorders. Can be fatal if swallowed in large quantities.

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	% by Weight
Sodium Hydroxide	1310-73-2	<12
Sodium Hypochlorite	7681-52-9	<5

Section 4. First Aid Measures

Eye Contact	Flush immediately with clean water for 15 minutes. Seek immediate medical attention.
Skin Contact	If irritation occurs, flush with plenty of clean water. Seek medical attention if a rash occurs or if irritation continues. Remove severely contaminated clothing (including shoes) and wash before reuse.
Inhalation	Remove person to fresh air. If breathing is difficult, give oxygen and seek immediate medical attention.
Ingestion	Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



Hazardous Combustion Products	N/A
Extinguishing Media	Media applicable to surrounding fire
Unsuitable Extinguishing Media	N/A
Fire Fighting Procedures	Use water spray to cool fire-exposed containers

Section 6. Accidental Release Measures

Spill Clean Up All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

Section 7. Handling and Storage

Handling and Storage Keep container tightly closed when not in use. Store in a cool, dry area away from strong acids. Contact with acid materials will result in dangerous chlorine gas. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Sodium Hydroxide (1310-73-2)	2mg/m ³	2mg/m ³		2mg/m ³

Engineering Controls Ventilate as necessary to keep under TLV. Use mechanical ventilation if build-up of mist or vapors is likely.

**Personal Protective Equipment (PPE)**

Eyes	Chemical splash goggles and face shield
Body	Rubber or neoprene gloves; rubber boots and wet suit
Respiratory	Use NIOSH approved respirator if levels reach or exceed exposure limits

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Pale yellow	Vapor Pressure	N/A
Odor	No odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	11.0-12.0	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	240°F	Auto-Ignition Temp.	N/A
Flash Point	Not combustible	Decomposition Temp.	N/A
Evaporation Rate	<1	Viscosity	N/A
Flammability	Non-Flammable	Specific Gravity	1.30

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Strong acids, aluminum, zinc, and tin
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	None
Conditions to Avoid	None

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	Irritation to burns depending on duration of contact
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	23,333 mg/kg	ATE determined beyond Category 4
Oral	1,165 mg/kg	ATE determined Category 4
Inhalation	No data	

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN3266	Corrosive Liquid, Basic, inorganic, n.o.s. (Sodium Hydroxide, Sodium Hypochlorite)	8	PGII	CORROSIVE

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

Sodium Hydroxide	1310-73-2	1,000
Sodium Hypochlorite	7681-52-9	100

State Regulations None

Section 16. Other Information

Last Revision 6/7/2017

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.