

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 K-Kleen 1000
Product Use High Alkaline Detergent
Product Code 8800
Date of Issue 6/16/2017
Supersedes 7/26/2016

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 1
Serious eye damage/ eye irritation	Category 1

Precautionary Statements:

P260	Do not breathe in mist/vapors/spray/fumes
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when handling product
P280	Wear protective gloves, clothing and eye protection
P301+P330+P331+P312	IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
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 physician
P363	Wash all contaminated clothing before reuse
P405	Store locked up
P501	Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes	Can cause severe irritation to serious eye damage, including blindness; depending on the duration of contact.
Skin	Causes mild to severe burns depending on duration of contact.
Inhalation	Can cause irritation and burns to respiratory tract.
Ingestion	Corrosive to the mucous membranes of the mouth, throat, esophagus and stomach. Causes burns, nausea, and vomiting with gastrointestinal disorder. Can be fatal if swallowed.

Section 3. Composition/Information on Ingredients

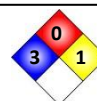
<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Sodium Hydroxide	1310-73-2	<45

Section 4. First Aid Measures

Eye Contact	Flush immediately with plenty of soap and water for at least 15 minutes. Seek immediate medical attention.
Skin Contact	Wash immediately with plenty of clean water. If irritation or burn occurs, seek medical attention.
Inhalation	Remove person to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion	Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person. 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	N/A
Unsuitable Extinguishing Media	N/A
Fire Fighting Procedures	Use a self-contained breathing apparatus.
Unusual Fire/Explosion Hazards	Upon contact this product will react with most metals such as aluminum, tin, or zinc to produce flammable, explosive hydrogen gas.

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, and put in a new labeled container for disposal. Flush cleaned area thoroughly with water.
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Section 7. Handling and Storage

Handling and Storage	Normal handling of liquids. Keep container tightly closed when not in use. Keep out of the reach of children. Have eyewash accessible to use in handling area.
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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 Local exhaust is normally adequate. Use mechanical ventilation if TLV are reached or exceeded.

**Personal Protective Equipment (PPE)**

Eyes	Chemical splash goggles and face shield
Body	Rubber or neoprene gloves; rubber boots and suit
Respiratory	Use NIOSH approved respirator if exposure limits are reached or exceeded

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Clear light brown	Vapor Pressure	N/A
Odor	Strong caustic odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	N/A	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	220°F	Auto-Ignition Temp.	N/A
Flash Point	Not combustible	Decomposition Temp.	N/A
Evaporation Rate	Initially 1	Viscosity	N/A
Flammability	Non-Flammable	Specific Gravity	1.365-1.390

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	None
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
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	119,843 mg/kg	ATE determined beyond Category 4
Oral	519 mg/kg	ATE determined Category 4
Inhalation	No data	

Section 12. Ecological Information

Environmental Effects No environmental 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	UN1824	Sodium Hydroxide Solution	8	PGII	

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):

State Regulations None

Sodium Hydroxide	1310-73-2	1,000
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Section 16. Other Information

Last Revision 6/16/2017

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.