

Safety Data Sheet

MANUFACTURED FOR:



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Section 1. Chemical Product and Company Identification

Product Name K-Brite 220
Product Use Acid Detergent - Descaler
Product Code 1450
Date of Issue 6/21/2017
Supersedes 6/7/2017

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

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
P280 Wear protective gloves, clothing and eye protection
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
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:

H314 Causes severe skin burns and eye damage

Dermal, Oral, and Inhalation

Routes of Entry

Acute Effects:

Eyes Causes irritation to serious eye damage, including blindness. Severity increases with duration of contact.
Skin Causes irritation to burns depending on duration of contact.
Inhalation Mists or vapors can cause irritation and burns to respiratory tract.
Ingestion Corrosive to mucous membranes or 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

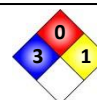
<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Phosphoric Acid	7664-38-2	<40
Isopropanol	67-63-0	<10
Dodecyl Benzenesulfonic Acid	27176-87-0	<10

Section 4. First Aid Measures

Eye Contact	Flush immediately with plenty of clean water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact	Flush immediately with plenty of clean water; use soap if available. If irritation persists, seek medical attention. Remove severely contaminated clothing (and shoes) and wash before reuse.
Inhalation	Remove person to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion	Do not induce vomiting. Give several large glasses of water only if conscious. 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 appropriate for surrounding fire.
Unsuitable Extinguishing Media	N/A
Fire Fighting Procedures	Use a self-contained breathing apparatus.

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 away from chlorine-containing compounds. Store product indoors away from excessive heat or cold. Keep out of the reach of children. Have eyewash and safety shower accessible to use in handling area.

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

<u>Product Name</u>	<u>OSHA PEL</u>	<u>NIOSH REL</u>	<u>AIHA WEEL</u>	<u>ACGIH TLV</u>
Phosphoric Acid (7664-38-2)	1mg/m ³	1mg/m ³		1mg/m ³
Isopropanol (67-63-0)	400ppm	400ppm		200ppm

Engineering Controls Local exhaust usually adequate

**Personal Protective Equipment (PPE)**

Eyes	Chemical splash goggles and face shield
Body	Rubber or neoprene gloves; rubber boots and wet suit
Respiratory	Not normally required. Use NIOSH approved respirator if TLV levels are reached or exceeded.

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Red	Vapor Pressure	17 mmHg
Odor	Slightly sweet odor	Vapor Density	Heavier than air
Odor Threshold	N/A	Relative Density	N/A
pH	0.0-1.0	Solubility	Miscible
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	212°F	Auto-Ignition Temp.	N/A
Flash Point	N/A	Decomposition Temp.	N/A
Evaporation Rate	N/A	Viscosity	N/A
Flammability	Non-Flammable	Specific Gravity	1.20-1.25

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Chlorine-containing compounds
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Toxic chlorine gas can be liberated if mixed with chlorine containing compounds
Conditions to Avoid	N/A

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	Isopropanol: IARC Group 3 (not classifiable as a human carcinogen)
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	8,229 mg/kg	ATE determined beyond Category 4
Oral	4,553 mg/kg	ATE determined beyond Category 4
Inhalation	78,451 ppm	ATE determined beyond Category 4

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	UN1805	Phosphoric Acid Solution	8	PGIII	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:

Isopropanol 67-63-0 <10%

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

Phosphoric Acid	7664-38-2	5,000
Dodecyl Benzenesulfonic Acid	27176-87-0	1,000

State Regulations

None

Section 16. Other Information**Last Revision** 6/21/2017

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.