

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 CK 4.0
Product Use Glass Cleaner
Product Code 6931-A20
Date of Issue 3/24/16
Supersedes -

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

Warning



Health Hazards

Skin Corrosion/Skin Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use
P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 IF eye irritation persists: Get medical advice/attention.
P302+P352 IF on SKIN: wash with plenty of soap and water
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P410 Protect from sunlight.
P412 Do not expose to temperatures exceeding 50°C/122°F
P501 Dispose of contents and containers in accordance with all local, regional, national and international regulations

Hazard Statements:

H229 Pressurized container: May burst if heated
H315 Causes skin irritation
H319 Causes serious eye irritation

Acute Effects:

Eyes Overexposure may cause redness and burning sensation
Skin Overexposure may cause skin irritation
Inhalation May cause mild irritation
Ingestion May cause nausea and irritation if ingested in large quantities

Section 3. Composition/Information on Ingredients

<u>Name of Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Water	7732-18-5	59-100
Butane	106-97-8	1-3
2-butoxyethanol	111-76-2	2-3
Ethyl Alcohol	64-17-5	1-2
Propane	74-98-6	0.1-1.8
Isobutane	75-28-5	0.1-1.7

Section 4. First Aid Measures

Eye Contact	Rinse cautiously with water for at least 15 minutes holding open eyelids. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice or attention.
Skin Contact	Remove all contaminated clothing; wash before reuse. Wash skin with water for at least 15 minutes. Call a poison center or doctor if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
Ingestion	Rinse mouth. Do not induce vomiting. Immediately call a poison center or physician. If vomiting occurs, lie on your side in the recovery position. Never give anything orally to an unconscious person.

Section 5. Fire Fighting Measures

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



Hazardous Combustion Products	CO and CO ₂
Extinguishing Media	Water, fog, dry chemical or carbon dioxide
Unsuitable Extinguishing Media	Water may be ineffective but can be used to cool containers exposed to heat or flame
Fire Fighting Procedures	Stop spill/release if it can be done without risk. Move undamaged containers if it can be done safely. Wear self containing breathing apparatus and full turn out gear. Contents under pressure. Keep away from ignition sources and open flames. Exposure to extreme heat and flames can cause them to rupture often with violent force.

Section 6. Accidental Release Measures

Spill Clean Up	Stop spill/release if it can be done without risk. Prevent spilled material from entering sewers, storm drains and waterways. Eliminate all ignition sources. Avoid contact with spilled material. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for disposal. Wear suitable personal equipment when handling spills.
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Section 7. Handling and Storage

Handling and Storage	For industrial use only. Keep away from children. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe in vapors. Do not eat, drink or smoke while using product. Store in a cool, dry place. Protect from sunlight. Empty containers retain residue that may be dangerous.
	Use only in areas with adequate ventilation. Keep away from sources of ignition.

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

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
2-butoxyethanol(111-76-2)	50ppm	5ppm	-	20ppm

Ethyl Alcohol(64-17-5)	1000ppm	1000ppm	-	1000ppm
Isobutane(75-28-5)	-	800ppm	--	-
Propane(74-98-6)	1000ppm TWA	1000ppm TWA	-	2500ppm TWA
Butane (106-97-8)	-	800ppm	-	1,000ppm

Engineering Controls Use in a well-ventilated area

Personal Protective Equipment (PPE)

Eyes Wear safety glasses and safety splash goggles. Contact lenses may absorb chemicals. Particles may adhere to lenses and cause damage to eyes.

Body Wear neoprene or nitrile rubber gloves long sleeve shirt and long pants. Wear protective clothing to minimize skin contact.

Respiratory Use a NIOSH approved respirator if TLV are reached or exceeded. When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

Section 9. Physical and Chemical Properties

Physical State	Aerosol	Explosive Limits	N/A
Color	Clear	% VOC	9.994%
Odor	Characteristic odor	Vapor Density	Slower than ether
Odor Threshold	N/A	Density	7.95765lb/gal
pH	10	Solubility	Soluble in water
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	High: 212°F	Auto-Ignition Temp.	N/A
Flash Point	Flash Point at or above 200°F	Decomposition Temp.	N/A
Evaporation Rate	Slower than ether	Viscosity	N/A
Flammability	Not flammable	Specific Gravity	N/A

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	None known
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	CO and CO ₂
Conditions to Avoid	High temperatures, sparks and open flames

Section 11. Toxicological Information

Routes of Entry	Dermal, oral and inhalation
Symptoms	See section 2
Skin Irritant	Causes skin irritation. Overexposure will cause defatting of the skin
Eye Irritant	Overexposure will cause redness and burning sensation. Causes
Sensitizers	Not data available
Mutagenicity	No information found
Carcinogenicity	2-butoxyethanol (111-76-2) IARC Monographs: Group 3 (not classifiable as to its carcinogenicity to humans)
Reproductive Toxicity	No information found
Target Organs	None

Acute Toxicity

Ethyl Alcohol CAs # 64-17-5

Oral	LD50	(oral, rat)	7060mg/kg (7060mg/kg)
Inhalation	LC50	(inhalation, rat)	20000ppm/10H (20000ppm)

Dermal	No data
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2-butoxyethanol (CAS#111-76-2)

Oral	LD50 (oral, rat)	470mg/kg (470mg/kg)
Inhalation	LC50 (inhalation, rat)	450ppm/4H (450ppm)
Dermal	LD50 (skin, rabbit)	220mg/kg (220mg/kg)

Isobutane (CAS#75-28-5)

Oral	No data
Inhalation	LC50 inhalation, rat 57pph/15M (570000ppm)
Dermal	No data

Butane (CAS#106-97-8)

Oral	No data
Inhalation	LC50 (inhalation, rat) 658gm/m3/4H (658000mg/m3)
Dermal	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	-	Consumer Commodity	ORM-D	-	None

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:

2-butoxyethanol	111-76-2	1-2%
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The following substances have CERCLA reportable quantity values (in pounds):

State Regulations None

Section 16. Other Information

Last Revision 3/24/16

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.