



SAFETY DATA SHEET
K32 Wheel Cleaner
 Non-Acid Wheel Cleaner

*Specializing in Professional
 Automotive/Marine Appearance and
 Reconditioning Products*

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name: K32 Wheel Cleaner
Product Codes(s): CKPK32
Synonym(s): Aqueous alkaline cleaner
REACH Registration Number: No data available at this time.

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Air freshener
Uses advised against: None known

1.3 Details of the supplier and of the safety data sheet

Manufacturer/Distributor
 Car Kem Products, Inc.
 4275 St. Johns Parkway
 Sanford, FL 32771 USA
 +1-407-323-5626; +1-800-423-3168 (toll free)

1.4 Emergency telephone number: +1-800-424-9300 CHEMTREC

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition: Mixture
Classification in accordance with 28 CFR 1910 (OSHA HCS)
 Skin Irritant - Category 2 [H315]
 Eye Irritant - Category 2A [H319]

2.2 Label Elements

Hazard Symbol(s):



GHS07

Signal Word:

Warning

Hazard Statement(s):

H315 - Causes skin irritation
 H319 - Causes serious eye irritation

Precautionary Statements:

[Prevention]

P264 - Wash hands or other skin areas contacting this product thoroughly after handling.
 P280 - Wear protective gloves and eye protection.

[Response]

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P321 - Specific treatment: Seek medical attention. Refer to Section 4 of this SDS.
 P332 + P313 - If skin irritation occurs: Get medical attention.
 P362 - Take off contaminated clothing and wash before reuse.
 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 attention.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

% by Weight	Ingredient	CAS Number	EC Number	Annex Number	GHS Classification
<5	Potassium Hydroxide	1310-58-3	215-181-3	019-002-00-8	H314
<5	Tetrasodium EDTA	64-02-8	200-573-9	-----	H302, H318
<5	2-Butoxyethanol	111-76-2	203-905-0	603-014-00-0	H302, H312, H315, H319, H332

There are no ingredients present in this product which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If product mist or vapor causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is

difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Get medical attention. If unconscious place in the recovery position and get immediate medical attention. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention.

Eyes: Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing. If irritation persists, obtain medical attention, preferably from an ophthalmologist.

Skin: Flush skin with large amounts of water while removing contaminated clothing. Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse.

Ingestion: Rinse mouth with water if victim is conscious. Remove dentures, if present. Give 2 - 3 glasses of water to drink if victim is conscious, alert and able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Do not leave victim unattended. Obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Potential health symptoms and effects

Eyes: Causes serious eye irritation with redness, burning, swelling and tearing.

Skin: Causes skin irritation. Symptoms may include redness and burning of skin. Repeated exposure to unprotected skin may cause redness, drying and cracking of the skin.

Inhalation: Mist or spray from this product may cause irritation of the nose, throat and lungs.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting, abdominal pain and diarrhea. May cause headache and dizziness. Repeated ingestion may be harmful.

Chronic: Pre-existing disorders of the skin and respiratory system may be aggravated by exposure to this product. Prolonged and repeated skin exposure may result in drying or defatting of skin and dermatitis. 2-Butoxyethanol is a known animal carcinogen. Refer to Section 11.2.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishable media

Suitable methods of extinction: Use extinguishing measures appropriate for surrounding fire.

Unsuitable methods of extinction: None known

5.2 Special hazards arising from the substance or mixture

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

Explosion hazards: Not considered to be explosion hazard.

5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing designated in Section 8. Remove all sources of ignition. Ventilate the area.

6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

6.3 Methods and materials for containment and cleaning up

Cover drains and contain spill. Cover with a large quantity of inert absorbent. Do not use combustible material such as sawdust. Collect product and place material into an approved container for disposal. Observe possible material restrictions (Sections 7.2 and 10.5). Clean contaminated with soap and water. Dispose of product in accordance with federal, state and local regulations.

6.4 Reference to other sections

For indications about waste treatment, see Section 13.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Observe label precautions. Wear all appropriate protective equipment specified in Section 8. Keep containers closed when not in use. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator.

Advice on protection against fire and explosion

No special precautions against fire and explosion are required.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10.5), food and drink. Transfer only to approved containers having correct labeling. Keep container tightly closed after opening. Protect containers against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent spillage. Containers may be hazardous when empty as they contain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

CAS Number	Ingredient	OSHA PEL - TWA	ACGIH TLV	NIOSH
1310-58-3	Potassium Hydroxide	2 mg/m ³ , Ceiling (vacated)	2 mg/m ³ , Ceiling	2 mg/m ³ , Ceiling
111-76-2	2-Butoxyethanol	50 ppm; 240 mg/m ³	50 ppm TWA; 100 mg/m ³ ceiling (aerosol only)	700 ppm

8.2 Exposure controls

Engineering measures: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable.

Individual protection measures: Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

Hygiene measures: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

Eye/face protection: Wear safety glasses with unperforated side shields or protective splash goggles during use.

Hand Protection: Wear gloves recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

Other protective equipment: Protective clothing and protective boots, if the situation requires.

Respiratory protection: None required when used as recommended. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls: Do not empty into drains.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Dark green liquid
Odor	Mild
Odor Threshold	No data available
Molecular Weight	Not applicable
Chemical Formula	Not applicable
pH	11.8 - 12.2
Freezing/Melting Point, Range	<0 °C (<32 °F)
Initial Boiling Point	100 °C (212 °F)
Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable
Flash Point	>100 °C (>212 °F)
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Lower Explosive Limit (LEL)	No data available
Upper Explosive Limit (UEL)	No data available
Vapor Pressure	No data available
Vapor Density	>1 (Air = 1)
Relative Density	1.0660 - 1.0670 g/ml
Viscosity	No data available
Solubility in Water	Dispersible
Partition Coefficient: n-octanol/water	No data available
Volatiles by Volume	No data available

9.2 Other data

No data available

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

No special reactivity has been reported.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Extreme temperatures. Keep from freezing. Avoid contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents, acids, reducing agents, bases, ammonia, acid chlorides

10.6 Hazardous decomposition products

Thermal decomposition products include oxides of carbon, oxides of potassium, nitrogen oxide and undefined organic compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral Toxicity

Expected to have low acute oral toxicity

Acute inhalation toxicity

Expected to have low acute inhalation toxicity

Acute dermal toxicity

Expected to have low acute dermal toxicity

Skin irritation

Causes skin irritation

Eye irritation

Causes serious eye irritation

Sensitization

No data available

Genotoxicity in vitro

No data available.

Mutagenicity

No data available

Specific organ toxicity - single exposure

No data available

Specific organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Further information

2-Butoxyethanol (CAS #111-76-2): IARC, Group 3 carcinogen - Not classifiable as to its carcinogenicity to humans. ACGIH, A3 Carcinogen - Confirmed animal carcinogen with unknown relevance to humans. Not listed as a carcinogen by NTP or OSHA.

No data is available regarding the mutagenicity or teratogenicity of this product, nor is there any available data that indicates it causes adverse developmental or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Potassium hydroxide is slightly toxic to aquatic organisms on an acute basis. Large discharges to the environment may increase the pH of aquatic systems to a pH >12, which may be fatal to aquatic life and soil micro-organisms. 2-Butoxyethanol is harmful to algae and higher aquatic plants.

12.2 Persistence and degradability

Organic materials contained in this product are expected to be biodegradable.

12.3 Bioaccumulation potential

Product is not expected to bioaccumulate.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

Product may be harmful to the environment if released in large quantities.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Methods of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: The classification of this product may meet the criteria for a hazardous waste.

SECTION 14 - TRANSPORT INFORMATION

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

US DOT (Domestic Ground Transportation)

Proper Shipping Name: Corrosive liquid, n.o.s. (Potassium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III
NAERG: Guide #154
Packaging Authorization: Non-Bulk: 49 CFR 173.203; Bulk: 173.241
Packaging Exceptions: 49 CFR 173.154



IMO/IMDG (Water Transportation)

Proper Shipping Name: Corrosive liquid, n.o.s. (Potassium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III
Marine Pollutant: No
EMS Number: F-A, S-B

ICAO/IATA (Air Transportation)

Proper Shipping Name: Corrosive liquid, n.o.s. (Potassium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III
Quantity Limitations: 49 CFR 175.27 and 175.75 - Cargo Aircraft Only: 60 l; Passenger Aircraft: 5 l

RID/ADR (Rail Transportation)

Proper Shipping Name: Corrosive liquid, n.o.s. (Potassium Hydroxide)
Hazard Class: 8
UN/NA: UN1760
Packing Group: III

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

U. S. Federal Regulations

OSHA Hazard Communication Standard: This material is classified as hazardous in accordance with OSHA 29 CFR 1910-1200.

OSHA Process Safety Management Standard: This product is not regulated under OSHA PSM Standard 29 CFR 1910.119.

EPA Risk Management Planning Standard: This product is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

EPA Federal Insecticide, Fungicide and Rodenticide Act: This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

TSCA Status: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is not subject to TSCA 12(b) Export Notification.

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: Acute Health Hazard, Chronic Health Hazard

SARA 313 Information: None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance: No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification: No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains the following CERCLA reportable substances: Potassium Hydroxide (CAS #1310-58-3), RQ - 454 kg (1,000 lbs)

Clean Air Act (CAA)

This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depletors.

This product does not contain any Class 2 Ozone depletors.

Clean Water Act (CWA)

Potassium Hydroxide (CAS #1310-58-3) is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

None of the chemicals in this product are known to the State of California to cause cancer, birth defects or other reproductive harm.

Other U.S. State Inventories

Potassium Hydroxide (CAS #1310-58-3) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, DE, ID, MA, NJ, NY, PA, RI, WA, WI.

2-Butoxyethanol (CAS #111-76-2) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, ID, MA, MN, NJ, PA, RI, WA, WI.

Canada

WHMIS Hazard Symbol and Classification



E - Corrosive

Canadian National Pollutant Release Inventory (NPRI): Potassium Hydroxide and 2-Butoxyethanol are listed on the NPRI.

European Economic Community

Classification (67/548/EEC or 1999/45/EC): No data available

Safety phrases: S2 - Keep out of reach of children.

WGK, Germany (Water danger/protection): 1

Global Chemical Inventory Lists

Country	Inventory Name	Inventory Listing*
Canada:	Domestic Substance List (DSL).	Yes
Canada:	Non-Domestic Substance List (NDSL).	No
Europe:	Inventory of New and Existing Chemicals (EINECS)	Yes
United States:	Toxic Substance Control Act (TSCA)	Yes
Australia:	Australian Inventory of Chemical Substances (AICS)	Yes
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)	Yes
China:	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan:	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea:	Existing Chemicals List (ECL)	Yes
Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

*"Yes" indicates that all components of this product are in compliance with the inventory requirements administered by the governing country.

*"No" indicates that one or more components of this product are not on the inventory or are exempt from listing.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

Health	2
Flammability	0
Physical Hazard	0
Personal Protection	B



Safety Glasses



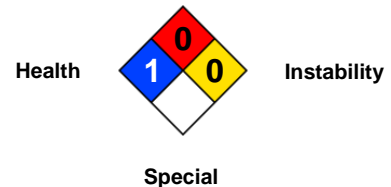
Gloves

HMIS & NFPA HAZARD RATING Legend

* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME

National Fire Protection Association (NFPA)

Flammability



The information herein is given in good faith and is believed to be accurate and correct; however, no warranty, expressed or implied, is made. Car Kem Products, Inc. assumes no responsibility for personal injury or property damage that may arise from the use of this material since the conditions of handling and use are beyond our control. It is the responsibility of the user to determine the suitability of this information for the adoption of the safety precautions as may be necessary. It is the responsibility of the user to comply with all Federal, State and local laws and regulations regarding use of this product. Vendees or users assume all risks associated with the use of this material. We reserve the right to revise Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the Safety Data Sheet is the latest issue.

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