

MATERIAL SAFETY DATA SHEET

SECTION I – IDENTITY AND RESPONSIBLE PARTY INFORMATION

Responsible Party: **ProSTAR Industries**

Product Name: **K KETTLE CLEANER**

Address: **1590 N. Harvey Mitchell
Bryan, TX 77803**

Date Prepared: 2-04

Emergency Telephone No. **1-800-262-7104**

Prepared By Regulatory Affairs Department

And Other Information **www.prostarind.com**

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Specific Chemical Identity: Common Name(s)	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Sodium Hydroxide	1310-73-2	2 mg/M ³	2 mg/M ³	2 mg/M ³	<20
Potassium Hydroxide	1310-73-2	2 mg/M ³	2 mg/M ³	2 mg/M ³	<10
*Glycol Ether DB	112-34-5	N/A	N/A	N/A	<5

***THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS FOR SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.**

HMIS RATING - HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION EQPT: D

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 190- 212° F	Specific Gravity (H ₂ O = 1): 1.200
Vapor Pressure (mm Hg): N/E	Percent Volatile By Weight (%): >70%
PH (conc.): 14.0	Evaporation Rate (H ₂ O=1): > 1
Solubility in Water: Complete	Appearance and Fragrance: Clear Liquid / Mild Fragrance

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) – N/E	Flammable Limits – Not Determined	LEL – N/E	UEL – N/E
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Extinguishing Media – Water, CO₂, Foam or media suitable for surrounding fire.

Special Fire Fighting Procedures – Standard fire fighting procedures may be followed, including full protective gear, NIOSH approved self-contained breathing apparatus. Unusual Fire and Explosion Hazards – None Known

SECTION V – PHYSICAL HAZARDS

Stability	Unstable	Conditions to Avoid – None Known
	Stable X	

Incompatibility (Materials to Avoid) – Do not mix with other chemicals.

Hazardous Decomposition Products or By-products – Thermal decomposition of this product may generate carbon monoxide, carbon dioxide, and sulfur oxides.

Hazardous	May Occur	Conditions to Avoid – None Known
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Polymerization Will not Occur X

SECTION VI – HEALTH HAZARDS

Route(s) of Entry:	Inhalation?	Skin? X	Ingestion?	Eye? X
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Health Hazards (1. Acute and 2. Chronic) – 1. **ACUTE:** This product has not been evaluated for its acute toxicology profile.

2. **CHRONIC:** This product has not been evaluated for its chronic toxicology profile.

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	No X	I.A.R.C. Monographs	No X	OSHA No X
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Signs and Symptoms of Exposure – Skin and eye contact are the principal routes of exposure to this product. **Skin Contact:** Skin contact can cause severe irritation or burns with possible redness, swelling or blistering. Severity of action is highly dependent on contact time. **Eye Contact:** Eye contact may cause severe irritation or burns. May cause permanent eye damage, if not promptly flushed with plenty of water. **Ingestion:** If swallowed, this product may cause severe irritation or damage of mucosal linings of the mouth, throat, esophagus or stomach. **Inhalation:** Inhalation can cause irritation and burning of respiratory passages. **Medical Conditions Generally Aggravated by Exposure:** No data is available that addresses medical conditions that are generally recognized as being aggravated by exposure to this product.

Emergency and First Aid Procedures – **EYE CONTACT:** Immediate first aid is required to prevent eye damage. Flush immediately with water and remove contact lenses, if applicable. Then flush with large quantities of running water for 15 minutes. Hold eyelids apart during flushing to ensure complete rinsing of entire surface of eye and lids with water. Do not attempt to neutralize with chemical agents. Get medical attention immediately. Continue flushing with water if physician is not immediately available. **SKIN CONTACT:** Immediately remove contaminated shoes and clothing. Wash skin with soap and plenty of water for 15 minutes. Do not attempt to neutralize with chemical agents. Get medical attention. Wash contaminated clothing before reuse. **INGESTION:** DO NOT induce vomiting. Rinse mouth with water. Then give 1-2 glasses of water or milk and call a physician or poison control center immediately. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give water again. NEVER give anything by mouth to a person who is unconscious or convulsing. Get medical attention immediately. **INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled – Ventilate area immediately. If spilled, floors may be extremely slippery. Wear appropriate protective equipment to avoid skin or eye contact. If possible, contain spill and collect in an approved container. Rinse affected area thoroughly with water. Keep product out of storm sewers or waterways. Hold for disposal.

Waste Disposal Method – Dispose of in accordance with local, state and Federal regulations. If possible, triple rinse container, and recycle.

Precautions to be Taken in Handling and Storing – Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Store in original container, in cool dry place with adequate ventilation. Keep out of reach of children. Keep container tightly closed when not in use.

Other Precautions – Use only according to label directions. If unsure about safe use, contact your supervisor immediately.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type) – Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure. Ventilation – X Local Exhaust – As Necessary Mechanical (General) – As Adequate Special – N/A Other – N/A Protective Gloves – Water Impervious (Latex, Neoprene) Eye Protection – Chemical Resistant Goggles or Face Shield Other Protective Clothing or Equipment - Not Required Work/Hygiene Practices – Follow OSHA mandated procedures. Never eat or smoke while working with chemicals. Good housekeeping practices apply. Wash thoroughly after handling.

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.

N/A (Not Applicable/Not Available) N/E (Not Established)