



**MATERIAL SAFETY DATA SHEET**

8/3/99

Domestic Extender

MSDS Part No. 804-555-000

KLEEN KING (Domestic Extender), KK031, KK040

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: KLEEN KING (Domestic Extender), KK031, KK040  
 Product Description: Sodium hydroxide solution  
 Manufacturer: Century Mfg. Co., 9231 Penn Ave. S., Minneapolis, MN 55431  
 24-Hour Emergency Phone: 800-255-3924, (Bus. Phone: 612-884-3211)

HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)  
 health: 2 Flammability: 0 Reactivity: 0

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Composition</u>	<u>CAS Number</u>	<u>Percent by Wt.</u>
Sodium hydroxide	1310-58-3	2.5

**3. HAZARDS IDENTIFICATION**

Emergency Overview:  
 Green free-flowing liquid  
 May cause severe irritation or chemical burns to tissues of eyes, mouth, throat, and esophagus.

**Potential Health Effects:**

Eye Contact: Direct contact will cause irritation; may be severe.  
 Skin Contact: Prolonged or frequent skin contact will cause irritation and may cause chemical burns.  
 Inhalation: Inhalation of mists may irritate respiratory passages.  
 Ingestion: Harmful if swallowed. Corrosive liquid may cause damage to tissues of the mouth, throat and esophagus.

**4. FIRST AID MEASURES**

Eye Contact: Flush with water for 15 minutes and seek medical attention.  
 Skin Contact: Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.  
 Inhalation: Remove affected person to fresh air and treat symptoms.  
 Ingestion: If conscious, give water to dilute and contact physician immediately. Do not induce vomiting.

**5. FIRE FIGHTING MEASURES**

Flammable Properties: Flash Point: N/A, water-based product  
 Flammable Limits: Not Applicable  
 Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical. Use extinguishing media appropriate for surrounding fire.  
 Special Fire Fighting Procedures: Firefighters should wear full protective gear including self contained breathing apparatus.  
 Unusual Fire and Explosion Hazards: None known.

**6. ACCIDENTAL RELEASE MEASURES**

Spill or Leak Procedures:

- Assess the situation to determine if you can safely handle the spill.
- Determine if outside help is needed
- Wear proper protective equipment (See Section 8).
- Dike to contain; recover all possible. Place in suitable containers.
- Contact necessary local, state and federal authorities and dispose of in accordance with local, state and federal regulations
- Report quantity of product in 668 gallons (See Section 15).

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**7. HANDLING AND STORAGE**

1. Store containers closed away from extreme temperatures.
2. Vent carefully when opening; alkaline corrosive liquid.
3. Keep from freezing - irreversible solubility after thawing.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:** Sodium hydroxide: per 2 mg/m<sup>3</sup> ceiling limits  
**Engineering Controls:** Use adequate mechanical ventilation to remain below exposure criteria.  
**Respiratory Protection:** Wear NIOSH/MSHA approved respirator if the exposure criteria is exceeded.  
**Eye Protection:** Chemical goggles and face shield.  
**Skin Protection:** Impervious gloves (Rubber recommended)  
**Other Protective Equipment:** Eyewash and safety shower nearby. Long sleeve work shirt and pants, chemical-protective apron.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Green free-flowing liquid  
**Boiling Point(760 mm Hg):** 212°F  
**Vapor Pressure:** <1  
**Vapor Density (air=1):** Not determined  
**Solubility in Water:** Complete  
**Specific Gravity:** 1.08  
**Percent Volatile:** Not determined  
**Evaporation Rate (Bu AC=1):** <1  
**pH:** 13.5 ± .3

**10. STABILITY AND REACTIVITY**

**Stability:** Stable  
**Conditions to Avoid:** N/A  
**Incompatibility:** Acids, strong oxidizing agents.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** Thermal decomposition products may include oxides of carbon and nitrogen.

**11. TOXICOLOGICAL INFORMATION**

No information available

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS**

Untreated product is considered an EPA corrosive hazardous waste, D002 (40 CFR 261), at disposal.  
Dispose in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**Transportation and Hazardous Materials Description:**  
**Proper Shipping Name:** Sodium Hydroxide Solution  
**Hazard Class:** 8  
**U.N./N.A. Number:** UN 1824  
**D.O.T. Label:** Corrosive  
**Packing Group:** II

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**15. REGULATORY INFORMATION****CERCLA (Comprehensive Response Compensation, and Liability Act:**

CERCLA reportable quantity of product: 668 gallons due to Sodium Hydroxide.

**SARA TITLE III:** This product is not formulated with chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.**RCRA STATUS:** Untreated product is considered an EPA corrosive hazardous waste, D002 (40 CFR 261), at disposal.**Toxic Substances Control Act (TSCA):** The ingredients of this product are all on the TSCA inventory list.**16. OTHER INFORMATION**

The following label hazard ratings are recommended:

<u>HMIS</u>	<u>Code</u>
Health-2	4-Severe
Flammability-0	3-Serious
Reactivity-0	2-Moderate
	1-Slight
	0-Minimal

**OTHER PRECAUTIONS:**

For industrial use only. Keep out of reach of children.

Blended and packaged by: West Penn Oil Co. 1425 Market St., Warren Pennsylvania 16365

The information provided in this MSDS relates only to Kleen King Domestic Extender and may not be valid if such material is used in combination with any other material or in any process. In addition, the information contained herein is based on data made available to Century Mfg. Co. by raw material suppliers, who can provide additional information concerning Kleen King Domestic Extender components.

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.