

Supplied By:

Material Safety Data Sheet



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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 1: Product Identification

Product Name: GRILL & OVEN CLEANER
Product Number: K700
Product Use: Viscous Alkaline Oven Cleaner
Product I.D. Number (PIN): N.A.
DOT Shipping Name: Caustic Alkali Liquids, NOS (Potassium Hydroxide), 8, UN 1719, PG II

Section 2: Hazardous Ingredient Information

Hazard Chemical Identity

	CAS No.	ACGIH TELV
Potassium Hydroxide	131058-3	2 mg/m3
2-Butoxyethanol	111-76-2	25 ppm

Section 3: Physical Data

Color: Blue
Odor: Solvent odor
Physical State: Liquid
Solubility in Water: Complete
Boiling Point: Similar to Water
Vapor Pressure: Similar to water
Vapor Density in Air (Air=1): Similar to water
Volatile, By Volume: None
Evaporation Rate: Similar to water
Specific Gravity: 1.103%

Section 4: Fire and Explosion Hazard Data

Flash Point (Method Used): None
Flammable Limits in Air: N/A
Extinguishing Media: N/A
Unusual Fire and Explosion Hazards: Firefighters should wear self-contained positive pressure breathing apparatus and avoid skin contact.

Section 5: Reactivity Data

Chemical Stability: Stable
Conditions to Avoid: Mixture with acid or incompatible materials can cause splattering and release of large amounts of heat.
Incompatibility (Materials to avoid): Acids, chlorinated hydrocarbons, chlorine dioxide, phosphorus, potassium persulfate, and tetrahydrofuran.
Hazardous Decomposition of By-Products: Will not decompose.
Hazardous Polymerization: Will not occur

Section 6: Toxicological Properties

Exposure Limits:

Potassium hydroxide	ACGIH.....2mg/m3 ceiling
2-Butoxyethanol	ACGIH.....27ppm

Medical Conditions Aggravated by Exposure: No known medical conditions aggravated by exposure.

Acute Toxicity

Eyes: Major potential hazard-Liquid in eye can cause severe destruction and blindness. These effects can occur rapidly affecting all parts of the eye. Mist can cause irritation with high concentrations causing destructive burns.
Skin: Major potential hazard-contact with the skin can cause severe burns with deep ulcerations. Contact with solution or mist can cause multiple burns with temporary, loss or hair at burn site. Solutions may not cause immediate pain or irritation upon skin contact. Prolonged or repeated contact with dilute solutions may cause drying and cracking of skin and possible skin damage.
Ingestion: Ingestion can cause severe burning and pain in mouth, throat, esophagus and stomach. Severe scarring of the throat can occur after swallowing. Death can result from ingestion.
Inhalation: Inhalation of solution mist can cause mild irritation at 2mg/m3. More severe burns and tissue damage of the upper respiratory tract, can occur at higher concentrations. Pneumonitis can result from severe exposure.

Chronic Toxicity: Chronic skin contact may cause dermatitis. This product does not contain any materials listed on the IARC, OSHA or NPT carcinogen lists.

Section 7: Precautionary Information

Danger! KEEP OUT OF REACH OF CHILDREN. Causes severe chemical burns. Eye contact may cause blindness. Harmful skin contact may not cause immediate pain. ****Immediate water flushing is vital in case of eye contact.**** If swallowed, can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach. Inhalation can cause severe irritation and burns of the upper respiratory tract and lungs depending on exposure. This product contains butoxyethanol. Repeated over-exposure to this material in concentrated form may cause hemolysis of the red blood cells leading to possible liver and kidney damage.

Section 8: Preventative & Control Measures

Respiratory Protection: For levels which exceed or are likely to exceed 2mg/m3 use approved high-efficiency particulate filter with full face-piece or self-contained breathing apparatus. Follow any applicable respirator use standards and regulations.
Ventilation: As necessary to maintain concentration in air below 2mg/m3 at all times.
Skin Protection: Wear neoprene; PVC, or rubber gloves
Eye Protection: Wear safety glasses or splash proof chemical goggles.
Hygienic Practices: Avoid contact with skin. Do not eat, drink, or smoke in work area. Wash hands prior to eating, drinking or using restroom. Any protective clothing which becomes contaminated should be thoroughly cleaned before reuse.
Other Control Methods: Safety shower and eye wash should be located in work area.
STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Small amounts of product can be diluted and rinsed to drain with water. Larger amounts should be contained and recovered. ****Clean up personnel should follow all safety precautions during clean-up.****
Waste Disposal: Dispose of in accordance with all local, state and federal regulations.

Section 9: Emergency First Aid Procedures

First Aid Notes to Physician:
Eyes: Wash eyes immediately with large amounts of water (preferably eye wash fountain), lifting the upper and lower eyelids and rotating eyeball. Continue washing for a minimum of 15 minutes. **Get medical attention immediately.**
Skin: Remove contaminated clothing immediately and wash skin thoroughly for a minimum of 15 minutes with large quantities of water (preferably a safety shower). **Get medical attention immediately.**
Ingestion: If person is conscious, give large quantities of water to dilute product. **DO NOT** induce vomiting. **Get medical attention immediately.**
Inhalation: Move person to fresh air. If breathing stops, administer artificial respiration. **Get medical attention immediately.**

Section 10: Storage and Handling Precautions

KEEP FROM FREEZING.
Store in closed, properly labeled containers.
DO NOT remove or deface labels.
Use of this product should be limited to properly trained individuals.

Section 12: Supplier Information

This product does contain toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right-to-know act of 1988.

CAS Number: 111-76-2 **Chemical Name:** 2-Butoxyethanol

The above information is believed to be accurate with respect to the formula used to manufacture this product. As data, standards and regulations change, and conditions of use and handling are beyond our control **NO WARRANTY** expressed or implied is made as to the completeness of continuing of this information.

Section 13: Preparation Information

Prepared By: Regulatory Affairs Department
Phone: 812-336-4817
Date of Preparation: July, 2004

Grill & Oven Cleaner

Technical Data Sheet



*Viscous
Alkaline
Oven
Cleaner*



*Heavy
Duty
Industrial
Strength*

*Cleans and
Degreases*

Product Description

Grill & Oven Cleaner is a heavy duty oven and grill cleaner for kitchens and food service operations. It combines alkaline detergent builder with solvents to be highly effective on heavy grease and baked on food. **Grill & Oven Cleaner** penetrates even the toughest baked-on soils.

Use Directions

Read label before use. Always wear protective gloves and other protective clothing as indicated. Never spray on skin or in eyes. Spray or pour **Grill & Oven Cleaner** full strength on surfaces to be cleaned. Works best when surfaces are warm (100-150 F). Allow up to 5-10 minutes for product to penetrate depending on amount of deposit. Scrub with a brush. Wipe with damp cloth and rinse thoroughly with potable water. Use in well ventilated areas.

Areas of Use

For use in institutional or commercial kitchens and food service operations. Limit use to trained personnel.

Safety Precautions

Danger! Causes severe chemical burns. Immediate water flushing is vital in case of eye contact. Skin contact can result in severe burns with deep ulcerations. Inhalation can be extremely harmful. Use only in well ventilated areas. Read label and MSDS for complete list of hazards and safety precautions. Limit use to only trained personnel.

Shipping Classification

Caustic Alkaline Liquid, NOS (Potassium Hydroxide) 8, UN1719, PG II

Packaging

4 / 1 Gallon

Properties

FORM: Viscous blue liquid with solvent odor
SPECIFIC GRAVITY: 1.103
SOLUBILITY: Complete
PRIMARY HAZARD: Major hazard for eyes, skin, respiratory system.
Mixture with incompatible materials can cause splattering.
COMPOSITION: Alkaline detergent builders and solvent

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