

MATERIAL SAFETY DATA SHEET

ROCHESTER MIDLAND CORPORATION
P.O. BOX 1515
ROCHESTER, NY 14603-1515
INFORMATION (716) 336-2200

Complies with OSHA's 29 CFR
1910.1200 and State Hazard
Communication Standards

Medical Emergency Telephone (716) 266-2283
or INFOTRAC 1-800-535-5053

SECTION 1

PRODUCT IDENTITY: **GRILL SCRUB**, Ready-to-use Viscous Gel Oven Cleaner

DATE PREPARED: 3/20/97

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
Health: 3/3 Fire: 0/0 Reactivity: 1/1 Special/Protective Equipment: ALK/C

DOT: Potassium hydroxide solution, Class 8, UN1814, PG II

SECTION 2

HAZARDOUS COMPONENTS	CAS #	OSHA-PEL	ACGIH-TLV	% BY WT.
Potassium hydroxide	1310-58-3	2 mg/M ³ (ceiling)	2 mg/M ³ (ceiling)	20
Diethylene glycol butyl ether*	112-34-5	None Est.**	None Est.**	2

Also contains thickeners, surfactants, penetrating agents, organic chelant, and water.

**Supplier recommendation 35 ppm

*SARA Title III Section 313 reportable as Glycol Ether category

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 220°F

VAPOR PRESSURE: Less than 39 mm Hg

VAPOR DENSITY (air = 1): Undetermined

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR: Dark brown, viscous gel; mild solvent odor.

SPECIFIC GRAVITY: 1.24 ± 0.01

PERCENT VOLATILE: 70 max.

EVAPORATION RATE: As water

pH: 14

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: Product will not burn.

SPECIAL FIREFIGHTING PROCEDURES: Corrosive material: avoid exposure to mists and splashes. As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH) approved or equivalent), and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: As any strongly alkaline material: in water solution, can react with magnesium, aluminum, zinc (galvanizing), tin, brass, bronze, chromium or other soft metals generating hydrogen. This gas is flammable and/or explosive in the presence of an ignition source.

SECTION 5: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None.

INCOMPATIBILITY: Avoid contact with concentrated acids; may cause violent reactions. Avoid contact with aluminum, zinc, other soft metals or galvanized metal.

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 6: HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE: Eyes: causes severe burns; possible permanent eye damage, even blindness. Skin: irritant; prolonged contact causes severe burns which may not be immediately painful or visible. Glycol ether component can be absorbed through skin, harmful amounts not expected in normal use. Inhalation of spray mist irritating; possible damage to mucous membranes of nose and throat. Possible headache, nausea, dizziness or other central nervous system effects. Ingestion: severe burns to mucous membranes of mouth, throat and digestive tract.

CHRONIC EFFECTS: None expected in normal use. Long-term overexposure to some glycol ethers may cause kidney, liver or blood effects based on animal testing.

MUTAGENICITY: None listed under OSHA, IARC or NTP.

ADDITIONAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES: Eyes: immediately flush with plenty of water for 15 minutes. Hold eyelids open to ensure complete rinsing. Promptly remove contact lenses if worn. Get immediate medical attention. Skin: immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get medical attention. Inhalation: remove to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Ingestion: DO NOT INDUCE VOMITING. Give a glass of water or milk to dilute. If vomiting occurs, give additional water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: Cleanup personnel should wear appropriate protective equipment. Spill area may be hazardous. If mixed with water, dike to prevent runoff. Reclaim if possible. Pick up remainder, or absorb with inert material, and place in suitable containers for disposal. Flush residue with large amounts of water. Spills of some glycol ethers may be CERCLA reportable.

WASTE DISPOSAL METHOD: Trained and properly equipped personnel may dilute with large amounts of water and neutralize liquid waste very carefully with dilute acid in accordance with Federal, State and local regulations. Properly neutralized liquid residues (pH 6 to 9) may be disposed of in waste water treatment facilities which allow the discharge of neutral salt solutions. CERCLA RQ for potassium hydroxide is 1000 pounds.

HANDLING AND STORING: DANGER: Concentrated, caustic material. Do not get in eyes, on skin or clothing, or breathe dusts or mists. Store indoors in original container in a cool, dry, well-ventilated area. Keep container closed when not in use.

ADDITIONAL PRECAUTIONS: Never touch eyes or face with hands or gloves that may be contaminated with product. Do not reuse container. Since empty containers may retain product residue, follow label precautions even after container is emptied. Contact with various food sugars can release hazardous amounts of carbon monoxide gas in sealed vessels containing food or beverage products or residues. Follow appropriate tank entry procedures when entering enclosed vessels. Read and follow label directions.

SECTION 8: CONTROL MEASURES

VENTILATION: General mechanical and/or local exhaust to keep dust/mist levels below exposure limits. Corrosion resistant equipment recommended.

RESPIRATORY PROTECTION: Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.

COMPATIBILITY: Nitrile, neoprene, natural rubber.

FACE PROTECTION: Close fitting chemical safety goggles. A face shield may be needed to provide full eye and face protection if splashes are likely.

ADDITIONAL PROTECTIVE EQUIPMENT: Rubber or PVC boots, apron, plastic hard hat and other protective clothing as needed to prevent contact with skin or clothing. Liquid may penetrate leather shoes and cause delayed burns. Provide facilities for quick drenching of the eyes and body within the work area for immediate emergency use.

HYGIENIC PRACTICES: Wash skin thoroughly after handling. Remove contaminated clothing and boots and gloves before reuse. Contaminated leather articles such as shoes, belts, or watchbands which can not be cleaned should be discarded.

The information and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree.

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.