

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

Eddystone Industrial Park
2000 Industrial Highway
Eddystone, PA 19022-1513

Product: **ROAD WARRIOR**

Daytime Telephone: (610) 876-9906
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: G5370 - Rev 1.0 Date: 08/96
Replaces - None
Changes - None (Original MSDS)

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: ROAD WARRIOR
Chemical Name/Synonym: PROPRIETARY BLEND
Chemical Family: ALKALINE COMPOUND
Formula: PROPRIETARY
Product Code: G5370

HMIS
Hazard Rating: Legend:
Health: 2 0 - Least
Fire: 0 1 - Slight
Reactivity: 1 2 - Moderate
 3 - High
 4 - Extreme

Product Description: High foaming liquid cleaning compound

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: > 210°F Solubility in Water: Complete
Vapor Pressure: N/A Specific Gravity: 1.12 (H₂O=1)
Vapor Density: N/A % Volatile by Volume: Nil
Appearance: Clear, blue liquid Odor: Bland
pH neat: 13.1 ± 0.1, as received pH working solutions: 11.9 - 12.2 (varies w/ conc.)

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
*Potassium hydroxide (caustic potash)	1310-58-3	1-10	2 mg/m ³ , Ceiling Value	2 mg/m ³ , Ceiling Value
2-Butoxyethanol	111-76-2	1-10	25 ppm (skin) (121 mg/m ³)	25 ppm (skin) (121 mg/m ³)
Inert and/or non-hazardous components	-----	Balance	-----	-----

Note: Material may contain trace amounts of ethylene oxide (75-21-8) in quantities less than 0.0001%.
*Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: N/A (will not support combustion).
Extinguishing Media: Small Fire: CO₂, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability: Stable.
Incompatibility: Strong oxidizers.
Hazardous Decomposition Products: Carbon monoxide may form upon thermal degradation.
Hazardous Polymerization: Will not occur.

- Continued -

-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT: Corrosive to eye tissue. Can cause chemical burns.
SKIN CONTACT: Contact may result in skin irritation to chemical burns. Elevated temperatures add risk of thermal burn potential through increased chemical aggressiveness.
INHALATION: Inhalation of mists may result in minor irritation, or, at worst, burns of the respiratory system.
INGESTION: Harmful if swallowed. May result in mild irritation to severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach depending on concentration and temperature.
EFFECTS OF OVEREXPOSURE: Corrosive to all body tissues. Severity of damage and extent of its irreversibility increases with length of contact time and temperature of solutions. People vary in their reaction to contact with different chemicals.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials) while holding eyelids apart. Flushing within seconds of contact is essential in minimizing damage. Seek medical attention if irritation persists. Note to physician: Incidence of contact may cause impairment of vision. Stain for evidence of corneal injury. If burned, instill antibiotic steroid preparation frequently.
SKIN: Flush with water; wash with soap and water after handling. Seek medical attention should irritation persist or in case of severe exposure. Physician: Treat as normal thermal burn.
INHALATION: Remove to fresh air. Seek medical attention for cases of severe exposure.
INGESTION: DO NOT INDUCE VOMITING. Administer several glasses of water to drink, possibly followed by a citrus juice drink. Seek medical attention. Do not give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep air passages clear. Do not allow aspiration of stomach acid vapors.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION: Ventilation sufficient to maintain exposure levels in the air below the ceiling value.
RESPIRATORY PROTECTION: NIOSH approved respirator for airborne mist conditions.
PROTECTIVE CLOTHING: Chemical resistant gloves, rubber or neoprene protective clothing. Protection should be commensurate with anticipated exposure to insure that no contact is possible with skin or clothing.
EYE PROTECTION: Tight fitting or chemical workers goggles or face shield.

-- SECTION 10 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or allow contact with skin. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Keep containers tightly closed and inner poly bag twist-locked to avoid caking.
Empty Containers: Do not re-use empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for a reconditioner, empty each drum as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations do not permit transport of open or partially filled containers.

D.O.T.: Shipping Information: Compounds, Cleaning Liquids, n.o.s.,(potassium hydroxide), 8, NA1760, PG III, ERG - 154 (1996)
TSCA - The ingredients in this material are listed on the TSCA Inventory.
SARA Title III Information (for potassium hydroxide as a component of this material): A) Sections 311/312 Listed Categories: Acute and Reactive; B) Section 313 - *Not Listed*; C) Section 302 - *Not Listed* as an Extremely Hazardous Substance.
CERCLA Information (for the potassium hydroxide component): Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs (over 10,000 lb of product). Releases to air, land, or water which exceed the RQ must be reported to the National Response Center at 1-800-424-8802.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.
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