

** MATERIAL SAFETY DATA SHEET **

MEDICAL EMERGENCY ONLY, 24-HOUR SERVICE: (800) 328-0026
PURITAN SERVICES INC., 820 Sibley Memorial Hwy., Mendota Heights, MN 55118

DATE OF ISSUE: 03/23/99
Product Info: 800-275-8914

01. IDENTIFICATION

PRODUCT NAME: **CleanForce All Purpose Cleaner**
PRODUCT TYPE: **All-Purpose Cleaner**

++ SARA Toxic Chemicals, If Present, Are Preceded by "#" ++

02. HAZARDOUS COMPONENTS	CAS No.	%	PEL	TWA	(mg/m3)
1. Potassium hydroxide (caustic potash)	1310-58-3	2	No	2C	
2. # Butoxyethanol (Skin)	111-76-2	5	240	121	

STEL = 15 Minutes Average
TWA = ACGIH 8 Hour Average in Air

PEL = OSHA 8 Hour Average in Air
C = Ceiling Limit in Air; Do Not Exceed

03. PHYSICAL DATA

1. **Appearance:** Orange-Red Liquid.
2. **Solubility in Water:** Mixes with water in all proportions.
3. **pH:** 13.4 (100%)
4. **Initial Boiling Point:** 212 deg F
5. **Specific Gravity:** 1.030

04. FIRE AND EXPLOSION DATA

1. **Special Fire Hazards:** None
2. **Fire Fighting Methods:** Does not support combustion.

05. REACTIVITY DATA

1. **Stability:** Stable under normal condition of handling.
2. **Conditions to Avoid:** None

06. SPILL OR LEAK PROCEDURES

USE PROPER PROTECTIVE EQUIPMENT

1. **Cleanup:** Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.
2. **Waste Disposal:** Consult state and local authorities for limits on chemical waste disposal. Do not let product enter directly rivers or lakes.

07. HEALTH HAZARD DATA

1. **Effects of Overexposure to Concentrate:** **Skin and Eyes:** Can cause severe irritation. **If Swallowed:** Harmful. Can cause chemical burns of mouth, throat and stomach. **Note:** In rats and mice heavy doses of 2-butoxyethanol damage red blood cells, which in turn can injure the liver, kidney and spleen. These effects have not been observed in humans

08. FIRST AID

1. **Eyes:** Flush immediately with cool running water. Remove contact lenses. Holding eyelids apart, continue flushing for 15 minutes.
2. **Skin:** Flush skin with plenty of cool running water. Wash thoroughly with soap and water. Remove contaminated clothing and shoes; wash well before reuse.
3. **If Swallowed:** Rinse mouth; then drink 1 or 2 glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

**IMMEDIATELY CALL THE MEDICAL EMERGENCY NUMBER, 1-800-328-0026,
A POISON CONTROL CENTER OR A PHYSICIAN**

09. PROTECTIVE MEASURES

1. CONCENTRATE:

Eyes: Use chemical splash goggles. For continued or severe exposure, wear a face shield over the goggles.
Skin: Use any industrial rubber glove.
Respiratory: Avoid breathing mists or vapors of this product.

10. ADDITIONAL INFORMATION/PRECAUTIONS

1. Purpose of 4/8/99 issue: First issue in present format.

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.