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\*MATERIAL SAFETY DATA SHEET\*

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MEDICAL EMERGENCY ONLY, 24 HOURS SERVICE: 1-800-328-0026

Puritan Services Inc.  
1341-E Capital Circle  
Marietta GA 30067

Product Information: 1-800-275-8914  
Date of Issue: September 28, 1998

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1.0 IDENTIFICATION /

- 1.1 Product Name: ULTRA BREAK
- 1.2 Product Type: Special Purpose Cleaner
- 1.3 Hazard Rating: Health - 2 Fire - 0 Reactivity - 0

++ SARA 313 Toxic Chemicals, If Present, Are Preceded by "#" ++

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2.0 HAZARDOUS COMPONENTS /

		(mg/m3)		
		<u>%</u>	<u>PEL</u>	<u>TWA</u>
2.1 Sodium hydroxide (caustic soda) 1310-73-2		37	2	2 <u>C</u>
2.2 Potassium hydroxide (caustic potash) 1310-58-3		4	No	2 <u>C</u>

STEL = 15 Minute Average                      PEL = OSHA 8 Hour Average in Air  
TWA = ACGIH 8 Hour Average                    C = Ceiling Limit in Air; Do Not Exceed

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3.0 PHYSICAL DATA /

- 3.1 Appearance: Clear colorless liquid; odorless
- 3.2 Solubility in Water: Mixes with water in all proportions.
- 3.3 pH: 14.0 (100%)
- 3.4 Initial Boiling Point: 212 deg F
- 3.5 Specific Gravity: 1.452

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4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: None
- 4.2 Fire Fighting Methods: Does not support combustion.

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5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of handling.
- 5.2 Conditions to Avoid: Reacts vigorously with acids. Reacts with soft metals such as aluminum and zinc, producing very flammable hydrogen gas.

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6.0 SPILL OR LEAK PROCEDURES /                      USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.
- 6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Unused product is RCRA Corrosive (D002).

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7.0 HEALTH HAZARD DATA /

7.1 Effects of Overexposure to Concentrate:

Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful contact may not cause immediate pain.

++ Immediate water flushing is vital in case of eye contact. ++

If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth, throat and stomach.

If Inhaled: Damages airways and lungs, depending upon amount and duration of exposure. Effects vary from irritation to bronchitis or pneumonia. People with lung problems may be more affected.

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8.0 FIRST AID /

8.1 Eyes: Flush at once with cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart so as to rinse entire eye. CALL A PHYSICIAN IMMEDIATELY.

8.2 Skin: Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes; discard or wash well before reuse.

8.3 If Swallowed: Rinse mouth at once; then drink 1 or 2 large glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

8.4 If Inhaled: Immediately move to fresh air.

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

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9.0 PROTECTIVE MEASURES /

9.1 CONCENTRATE:

Respiratory: Avoid breathing mists or vapors of this product.

Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Skin: Use industrial rubber gloves, other protection as necessary to avoid skin contact.

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10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 Purpose of 09/28/98 edition: Change company name/address

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.