

Phy Plant . . . .

61036142

**\*MATERIAL SAFETY DATA SHEET\***

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MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026  
Medical Calls from Outside of the USA: 612 292 4064 (USA)

ECOLAB PROFESSIONAL PRODUCTS  
DIVISION OF ECOLAB INC.  
Ecolab Center, ST. PAUL, MN 55102

For Product Information,  
Call: 1-800-247-5362  
Date of Issue: December 3, 1996

**1.0 IDENTIFICATION /**

1.1 Product Name: CLOCKWISE FOAMING CLEANSER  
1.2 Product Type: Detergent  
1.3 Hazard Rating: Health - 2 Fire - 0 Reactivity - 0

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

**2.0 HAZARDOUS COMPONENTS /**

		%	PEL	TWA
2.1 # Butoxyethanol (Skin)	111-76-2	1-10	240	121
2.2 # Phosphoric acid	7664-38-2	1-10	1	1*
*ACGIH STEL = 3				
2.3 Hydroxyacetic acid	79-14-1	1-10	None	None

STEL = 15 Minute Average

PEL = OSHA 8 Hour Average in Air

TWA = ACGIH 8 Hour Average

C = Ceiling Limit in Air; Do Not Exceed

**3.0 PHYSICAL DATA /**

3.1 Appearance: Light yellow liquid; solvent odor  
3.2 Solubility in Water: Mixes with water in all proportions.  
3.3 pH: 2 - 3 (100%)  
3.4 Initial Boiling Point: 212 deg F  
3.5 Specific Gravity: 1.085

**4.0 FIRE AND EXPLOSION DATA /**

4.1 Special Fire Hazards: High temperatures may generate hazardous decomposition products including oxides of phosphorus.  
4.2 Fire Fighting Methods: Product does not support combustion.

**5.0 REACTIVITY DATA /**

5.1 Stability: Stable under normal conditions of handling.  
5.2 Conditions to Avoid: Reacts vigorously with alkali; produces toxic gases upon contact with chlorinated products.

**6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT**

6.1 Cleanup: Rinse small amounts to sanitary sewer where possible, or mop up and rinse area thoroughly with water.  
6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal.

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St. Paul, Minnesota 55102

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## 7.0 HEALTH HAZARD DATA /

### WARNING

#### 7.1 Effects of Overexposure to Concentrate:

Eyes: Causes irritation.

Skin: May cause irritation, depending upon degree of exposure.

If Swallowed: Can cause irritation, nausea, stomach distress.

If Inhaled: Can cause irritation of mouth, throat and airways, especially for sensitive individuals.

7.2 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.

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## 8.0 FIRST AID /

8.1 Eyes: Flush at once with cool running water. Remove contact lenses. Holding eyelids apart, continue flushing for 15 minutes.

8.2 Skin: Flush skin with cool water; then wash thoroughly with soap and water. Wash contaminated clothing well before reuse.

8.3 If Swallowed: Rinse mouth; 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: If affected, move to fresh air.

IN CASE OF EYE CONTACT, OR  
IF IRRITATION OR DISCOMFORT PERSISTS, CALL A PHYSICIAN

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## 9.0 PROTECTIVE MEASURES /

#### 9.1 CONCENTRATE:

Eyes: Eye protection is recommended.

Skin: Use any industrial rubber glove.

Respiratory: Ventilate to maintain air levels below limits.

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## 10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 Purpose of 12/03/96 edition: First issue in Ecolab 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.