**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)

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**TEXTILE CARE DIV., Ecolab Inc.**  
**Product Information:** 1-800-553-8683

**Ecolab Ctr., St. Paul MN 55102**  
**Date of Issue:** February 3, 1999

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**1.0 IDENTIFICATION** /

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**1.1 Product Name:** TURBOSCRUB

**1.2 Product Type:** Concentrated liquid laundry detergent booster additive

**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** /

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<table>
<thead>
<tr>
<th>%</th>
<th>PEL</th>
<th>TWA</th>
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<tbody>
<tr>
<td>20</td>
<td>240</td>
<td>121</td>
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2.1 # Butoxyethanol (Skin) 111-76-2  
2.2 Also contains nonionic surfactant (40%).

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**PEL = OSHA 8 Hour Average in Air**  
**TWA = ACGIH 8 Hour Average in Air**

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**3.0 PHYSICAL DATA** /

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3.1 Appearance: Yellow liquid; solvent odor

3.2 Solubility in Water: Low

3.3 pH: 7 - 8 (100%)

3.4 Initial Boiling Point: >212 deg F

3.5 Specific Gravity: 0.885

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**4.0 FIRE AND EXPLOSION DATA** /

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4.1 Special Fire Hazards: None known

4.2 Fire Fighting Methods: Use fog, foam, fine water spray, dry chemical or CO2.

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**5.0 REACTIVITY DATA** /

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5.1 Stability: Stable under normal conditions of handling.

5.2 Condition to Avoid: Do not mix with anything but water.

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

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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.

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https://www.myecolab.com/webassets/include/CW_Show_MSDS.asp?FORMULA_CODE=90017... 12/17/07
7.0 HEALTH HAZARD DATA

7.1 Effects of Overexposure to Concentrate:
   Skin: Prolonged contact with concentrated product is harmful.
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   Product may be absorbed through skin.
   Eyes: Causes corneal (eye) damage.
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   If Swallowed: Harmful. Large doses may damage internal organs.
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   If Inhaled: Damages airways and lungs, depending upon amount and
   duration of exposure. Effects can vary from slight irritation to
   bronchitis or pneumonia. People with asthma or other lung problems
   may be more susceptible.

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.

7.3 Note: Not listed as a carcinogen by OSHA, IARC, or NTP.

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.

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

9.0 PROTECTIVE MEASURES

9.1 CONCENTRATE:
   Eyes: Use chemical splash goggles.
   Skin: Use any industrial rubber glove.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS

10.1 Purpose of 02/03/99 issue: New product, first issue.

https://www.myecolab.com/webassets/include/CW_Show_MSDS.asp?FORMULA_CODE=90017... 12/17/07
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.