



Ecolab Center
St. Paul, Minnesota 55102

Sargent
KCTC

Ecolab Inc.

10-17-00

10371

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)

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: December 11, 1998

1.0 IDENTIFICATION /

- 1.1 Product Name: ~~SOLID POWER~~
- 1.2 Product Type: High Alkaline Solid Automatic Dishmachine Detergent

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

2.0 HAZARDOUS COMPONENTS /

- | | | | |
|---|----|-----|---------|
| | | | (mg/m3) |
| 2.1 Sodium hydroxide (caustic soda) 1310-73-2 | % | PEL | TWA |
| | 50 | 2 | 2 C |
- 2.2 This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200.

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: Blue solid; no odor
- 3.2 Solubility in Water: Appreciable
- 3.3 pH: 12.0-13.0 (0.2%)

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: None
- 4.2 Fire Fighting Methods: 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 acids. Reacts with soft metals such as aluminum and zinc, producing very flammable hydrogen gas.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Pick up without raising dust. Flush area with water.
- 6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal.



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7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure to Concentrate:

Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful skin 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.

7.2 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. 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; wash well before reuse or discard.
- 8.3 If Swallowed: Rinse mouth at once; then drink 1 or two large 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

9.0 PROTECTIVE MEASURES /

No special protection is needed for normal use of this cast solid product. The following protection is advisable if contact with this product or concentrated solutions is likely.

Skin: Use any industrial rubber glove.

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

- 9.1 USE SOLUTIONS: Avoid contact with use solutions. These may also be hazardous. Use protective equipment as necessary.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

- 10.1 Purpose of 12/11/98 issue: Add line 7.2

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.