

Material Safety Data Sheet

SUPER TRUMP

ECOLAB SUPER TRUMP

23 September 2011

1. Product and company identification

Trade name of product : SUPER TRUMP
Product use : Machine Warewashing Detergent

Product dilution information : Up to 2.1 oz/10 gal or 1.6 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 913681
Date of issue : 23-September-2011

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

2. Hazards identification

Product AS SOLD
Physical state : Liquid.
Emergency overview : DANGER !
CAUSES RESPIRATORY TRACT, DIGESTIVE TRACT, EYE AND SKIN BURNS. MAY BE HARMFUL IF SWALLOWED.
Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Corrosive to the respiratory system.
Ingestion : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

See toxicological information (Section 11)

Product AT USE DILUTION
Liquid.
CAUTION !
No specific hazard.
No specific hazard.

Product AT USE DILUTION
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
SODIUM HYDROXIDE	1310-73-2	21
1,2,4-butanetricarboxylic acid, 2-phosphono-	37971-36-1	1 - 5

Product AT USE DILUTION

3. Composition/information on ingredients

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

4. First aid measures

Product AS SOLD
Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.
Ingestion : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Product AT USE DILUTION
No known effect after eye contact. Rinse with water for a few minutes.
No known effect after skin contact. Rinse with water for a few minutes.
No special measures required. Treat symptomatically.
Get medical attention if symptoms occur.

5. Fire-fighting measures

Product AS SOLD
Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
phosphorus oxides
metal oxide/oxides
Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.
Dike area of fire to prevent runoff.
In a fire or if heated, a pressure increase will occur and the container may burst.
Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Product AS SOLD
Personal precautions : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
Environmental precautions : Avoid contact of spilled material and runoff with soil and surface waterways.

Product AT USE DILUTION
Use personal protective equipment as required.
Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

6. Accidental release measures

Methods for cleaning up : Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.

Use a water rinse for final clean-up.

7. Handling and storage

Handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. SAFETY REMINDER:
 * Never pour product into unlabeled containers
 * Use only for recommended uses. Read label.
 * Never take product home. Use only in workplace.

Storage : Keep out of reach of children. Keep container tightly closed.
 Do not store above the following temperature: 50°C

Product AS SOLD
 Wash thoroughly after handling.

Product AT USE DILUTION
 Wash thoroughly after handling.

Keep out of reach of children.

8. Exposure controls/personal protection

Engineering measures : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protection

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

Hands : Use chemical-resistant, impervious gloves.

Skin : Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Respiratory : Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Product AS SOLD
 Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Product AT USE DILUTION
 No protective equipment is needed under normal use conditions.
 No protective equipment is needed under normal use conditions.
 No protective equipment is needed under normal use conditions.
 No special protection is required.

Ingredient	Exposure limits
SODIUM HYDROXIDE	ACGIH TLV (United States, 2/2010). C: 2 mg/m ³ OSHA PEL (United States, 6/2010). TWA: 2 mg/m ³ 8 hour(s).

9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.
Flash point : > 100°C
Color : Tan [Light]
Odor : Odorless
pH : 13 to 14 [Conc. (% w/w): 100%]
Relative density : 1.27 to 1.31
Dispersibility properties : Easily dispersible in the following materials: cold water and hot water.
Solubility : Easily soluble in the following materials: cold water and hot water.

Product AT USE DILUTION
 Liquid.
 > 100°C
 Colorless
 Odorless
 11.9

10. Stability and reactivity

Product AS SOLD

Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity : Reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: organic materials, metals, alkalis and moisture.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Corrosive to the respiratory system.
Ingestion : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

Product AT USE DILUTION
 No known significant effects or critical hazards.
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Product AS SOLD
Other adverse effects
Target organs : Contains material which may cause damage to the following organs: upper respiratory tract.

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.
RCRA classification : Unused product is D002 (Corrosive)

Product AT USE DILUTION
 Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

DOT Classification : UN1824
 DOT Proper shipping name : Sodium hydroxide solution
 Class : 8
 Packing group : II

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD

HCS Classification : Corrosive material
 Target organ effects

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.
 SARA 302/304/311/312 extremely hazardous substances: No listed substance
 SARA 302/304 emergency planning and notification: No listed substance

SARA 313 Product name CAS number Concentration

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

Product AT USE DILUTION

Not regulated.

16. Other information

Responsible name : Regulatory Affairs
 1-800-352-5326

Indicates information that has changed from previously issued version.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. 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.

16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.)

Health	3
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.)



Product AT USE DILUTION

Health	0
Flammability	0
Physical hazards	0



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