

# Material Safety Data Sheet

**ECOLAB<sup>®</sup>**

## BRIGHT RINSE

### Section 1. Chemical product and company identification

Trade name : BRIGHT RINSE  
 Product use : Floor Cleaner  
 Supplier : Ecolab Inc. Professional Products Division  
 370 N. Wabasha St.  
 St. Paul, MN 55102  
 1-800-247-5362  
 Code : 911775  
 Date of issue : 07-July-2005

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

### Section 2. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
citric acid	77-92-9	5 - 20

### Section 3. Hazards identification

Physical state : Liquid. (Liquid.)  
 Emergency overview : WARNING!

**CAUSES SEVERE EYE AND SKIN IRRITATION.**

Untreated contact may cause severe irritation or chemical burns.

**CAUSES RESPIRATORY TRACT IRRITATION.**

Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep container closed.

Use only with adequate ventilation. Wash thoroughly after handling.

#### Potential acute health effects

**Eyes** : Severely irritating to the eyes. Untreated contact may cause chemical burns.  
**Skin** : Severely irritating to the skin. Untreated contact may cause severe irritation or chemical burns.  
**Inhalation** : Irritating to respiratory system.  
**Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.  
**See toxicological Information (section 11)**

### Section 4. First aid measures

**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. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.  
**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion** : Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## Section 5. Fire fighting measures

**Flash point** : > 100°C  
**Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.

Dike area of fire to prevent product run-off.

No specific hazard.

**Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.--

## Section 7. Handling and storage

**Handling** : Avoid contact with eyes, skin and clothing. Do not add water directly to product. Slowly stir product into water. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.

**Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Do not store above 50°C

## Section 8. Exposure Controls, Personal Protection

**Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. When working with concentrate have eyewash available.

### 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 suitable protective equipment.

**Respiratory** : Avoid breathing vapor or mist.

**Consult local authorities for acceptable exposure limits.**

## Section 9. Physical and chemical properties

**Physical state** : Liquid. (Liquid.)

**Color** : pink

**Odor** : Faint Odor

**pH** : 1.64 (100%)

**Boiling/condensation point** : 100 °C

**Specific gravity** : 1.0437 (Water = 1)

BRIGHT RINSE

Page: 3/4

## Section 10. Stability and reactivity

Stability : The product is stable.  
 Reactivity : Reactive with alkalis.

## Section 11. Toxicological information

### Potential acute health effects

Eyes : Severely irritating to the eyes. Untreated contact may cause chemical burns.  
 Skin : Severely irritating to the skin. Untreated contact may cause severe irritation or chemical burns.  
 Inhalation : Irritating to respiratory system.  
 Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.

## Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO<sub>2</sub>) and water.

## Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste : Unused product is D002 (Corrosive)

classification

Consult your local or regional authorities.

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	UN3265	Corrosive liquid, acidic, organic, n.o.s.(Citric acid)	8	III	<b>Limited quantity</b> Yes.  <b>Special provisions</b> IB3, T7, TP1, TP28

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

## Section 15. Regulatory information

HCS Classification : Corrosive material  
 U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.  
 SARA 302/304 emergency planning and notification: None.  
 TSCA 8(b) inventory : All materials are listed or exempt.  
 California prop. 65 : No products were found.

## Section 16. Other information

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

Health	2
Environment	0
Reactivity	0
Personal protection	B

Date of issue : 07-July-2005.  
 Responsible name : Regulatory Affairs  
 Date of previous issue : No Previous Validation.

**BRIGHT RINSE****Page: 4/4****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.**