

Material Safety Data Sheet

ECOLAB®

RIVET

Section 1. Chemical product and company identification

Trade name : RIVET
Product use : Floor care product
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 977561
Date of issue : 22-April-2009

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

Section 2. Hazards identification

Physical state : Liquid, [Liquid]
Emergency : CAUTION
Overview

MAY CAUSE EYE IRRITATION.
Can cause central nervous system (CNS) depression.
Avoid contact with eyes. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.
Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion : May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.
See toxicological information (section 11)

Section 3. Composition/information on ingredients

Name	CAS number	% by weight
BUTOXYDGLYCOL	112-34-5	5
GLYCOL	107-21-1	2

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation : If inhaled, remove to fresh air.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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Section 5. Fire-fighting measures

Flash point : 93.3333 °C (Closed cup)
Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
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 : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it 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. Use only with adequate ventilation. Wash thoroughly after handling.
Storage : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.
Store between the following temperatures: 20 and 50°C

Section 8. Exposure controls/personal protection

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protection:

Eyes : No protective equipment is needed under normal use conditions.
Hands : No protective equipment is needed under normal use conditions.
Skin : No protective equipment is needed under normal use conditions.
Respiratory : A respirator is not needed under normal and intended conditions of product use.

Name : GLYCOL
Exposure limits : ACGIH TLV (United States, 1/2008),
C: 100 mg/m³ Form: Aerosol

Section 9. Physical and chemical properties

Physical state : Liquid, [Liquid]
Color : opaque
Odor : Ammoniacal.
pH : 7.8 [Conc. (% w/w): 100%]
Relative density : 1.019
Solubility : Easily soluble in the following materials: cold water and hot water.

Section 10. Stability and reactivity

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
- 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.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Slightly irritating to the eyes.
- Skin** : Slightly irritating to the skin.
- Inhalation** : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
- Ingestion** : May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.

Potential chronic health effects

- Target organs** : Contains material which causes damage to the following organs: kidneys. Contains material which may cause damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, central nervous system (CNS).
- Reproductive effects** : Contains material which may cause reproductive effects based on animal data.
- Developmental effects** : Contains material which may cause developmental abnormalities, based on animal data.

Section 12. Ecological information

- Ecotoxicity data** : Not reported

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.

Consult your local or regional authorities.

Section 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.

- UN Classification** : Not regulated.
- See shipping documents for specific transportation information.

Section 15. Regulatory information

- HCS Classification** : Target organ effects
- U.S. Federal regulations**
- TSCA 8(b) Inventory** : All components are listed or exempted.
- SARA 302/304/311/312 extremely hazardous substances**: No products were found.
- SARA 302/304 emergency planning and notification**: No products were found.
- SARA 313**
- | | | |
|---------------------|-------------------|----------------------|
| Product name | CAS number | Concentration |
| Form R - Reporting | 112-34-5 | 4.7252 |
| requirements | GLYCOL | 2.0074 |

Section 16. Other information

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

Health	1
Flammability	0
Physical hazards	0

Date of issue

22-April-2009.

Responsible name

Regulatory Affairs

Date of previous issue

07-August-2006.

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.