

Material Safety Data Sheet

QC 91 ACID BATHROOM CLEANER

ECOLAB

QC 91 ACID BATHROOM CLEANER

10 June 2011

1. Product and company identification

Trade name of product : QC 91 ACID BATHROOM CLEANER

Product use : Cleaning product

Product dilution information : Up to 1:8 in water

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

Code : 903544-02

Date of issue : 10-June-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.

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.

Product AT USE DILUTION

Liquid.

WARNING:

CAUSES EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Product AT USE DILUTION

Irritating to eyes.

Moderately irritating to the skin.

Moderately irritating to the respiratory system.

No known significant effects or critical hazards.

3. Composition/information on ingredients

Product AS SOLD

Name BUTOXYDIGLYCOL

CITRIC ACID

alcohols, C10-14, ethoxylated

methanesulphonic acid

COCAMINE OXIDE

Product AT USE DILUTION

Name BUTOXYDIGLYCOL

CITRIC ACID

alcohols, C10-14, ethoxylated

methanesulphonic acid

COCAMINE OXIDE

CAS number	% by weight
112-34-5	19
77-92-9	5-20
66455-15-0	5-20
75-75-2	5-20
61788-90-7	1-5

CAS number	% by weight
112-34-5	2
77-92-9	1-5
66455-15-0	1-5

3. Composition/information on ingredients

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

In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.

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. If inhaled, remove to fresh air.

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
sulfur oxides
metal oxide/oxides

Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.

Special protective equipment for fire-fighters : Dike area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst. 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.

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.

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.

Use a water rinse for final clean-up.

7. Handling and storage

Product AS SOLD
 : 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. Do not mix with bleach or other chlorinated products - will cause chlorine gas.

Storage
 : Keep out of reach of children. Keep container tightly closed.
 Store between the following temperatures: 10 and 50°C

Product AT USE DILUTION
 Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Keep out of reach of children. Store in a closed container.

8. Exposure controls/personal protection

Product AS SOLD
 : 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 AT USE DILUTION
 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.

Eye protection should be used when splashing may occur.
 For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
 No protective equipment is needed under normal use conditions.
 Avoid breathing vapors, spray or mists.

10. Stability and reactivity

Hazardous decomposition
 : 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
 : Corrosive to eyes.
 : Corrosive to the skin.
 Inhalation : Corrosive to the respiratory system.
 Ingestion : Causes burns to mouth, throat and stomach.

Product AT USE DILUTION
 Irritating to eyes.
 Moderately irritating to the skin.
 Moderately irritating to the respiratory system.
 No known significant effects or critical hazards.

Other adverse effects
 Target organs : Contains material which may cause damage to the following organs: blood, kidneys, liver.

Product AS SOLD
 : Corrosive to eyes.
 : Corrosive to the skin.
 Inhalation : Corrosive to the respiratory system.
 Ingestion : Causes burns to mouth, throat and stomach.

12. Ecological information

Ecotoxicity
 : Not reported

13. Disposal considerations

Product AS SOLD
 : 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.
 : 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 Proper shipping name : Consumer commodity
 Class : ORM-D

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

HCS
 Classification : Corrosive material
 Target organ effects : 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

9. Physical and chemical properties

Product AS SOLD
 : Liquid.
 : >93.3 °C (Closed cup)
 : Green [Dark]
 : Fragrance-like
 : 1.7 to 2.4 (Conc. (% w/w); 1%)
 : 1.07 to 1.13
 : Easily soluble in the following materials: cold water and hot water.

Product AT USE DILUTION
 Liquid.
 > 100°C
 Green [Light]
 Fragrance-like
 0.38 to 1.38

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: alkalis. Incompatible with chlorinated solvents. Do not mix with bleach or other chlorinated products - will cause chlorine gas.

15. Regulatory information

SARA 302/304 emergency planning and notification: No listed substance
 SARA 313 : Product name : 2-(2-butoxyethoxy)ethanol
 Form R - Reporting requirements : 112.34-5 19.1
 California Prop. 65 : No listed substance

16. Other information

<p>Product AS SOLD</p> <p>Hazardous Material Information System (U.S.A.)</p> <table border="1"> <tr><td>Health</td><td>3</td></tr> <tr><td>Flammability</td><td>0</td></tr> <tr><td>Instability/Reactivity</td><td>0</td></tr> <tr><td>Special</td><td>0</td></tr> </table> <p>National Fire Protection Association (U.S.A.)</p>	Health	3	Flammability	0	Instability/Reactivity	0	Special	0	<p>Product AT USE DILUTION</p> <table border="1"> <tr><td>Health</td><td>2</td></tr> <tr><td>Flammability</td><td>0</td></tr> <tr><td>Instability/Reactivity</td><td>0</td></tr> <tr><td>Special</td><td>0</td></tr> </table> <p>National Fire Protection Association (U.S.A.)</p>	Health	2	Flammability	0	Instability/Reactivity	0	Special	0
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 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.