



Ecolab Center  
St. Paul, Minnesota 55102

61151568 MATERIAL SAFETY DATA SHEET Page 1 of 2  
MEDICAL EMERGENCIES ONLY (24 Hour Service): 1-800-328-0026  
Medical Calls from Outside of the USA: 1-651-222-5352

PROFESSIONAL PRODUCTS ECOLAB INC.  
370 WABASHA STREET NORTH  
ST. PAUL MN 55102

Product Information: 1-800-247-5362 Issue Date: November 1, 1999

1.0 IDENTIFICATION /

- 1.1 Product Name: QC 91 ACID BATH CLEANER
- 1.2 Product Type: Acid Bathroom Cleaner
- 1.3 Hazard Rating: Health: 3 Fire: 0 Reactivity: 0

Substances Subject to SARA 313 Reporting Are Indicated by "#"

2.0 HAZARDOUS COMPONENTS /

	CAS No.	%	(mg/m3) PEL	TWA
2.1 # Phosphoric acid	7664-38-2	23	1	1*
2.2 Organic acid	confidential	5-20	No	No
2.3 # Diethylene glycol monobutyl ether	112-34-5	19	No	No
2.4 Nonionic surfactants	mixture	5-20	No	No

STEL = ACGIH short term exp. limit (15 min) PEL = OSHA 8 hr ave in air  
TWA = ACGIH 8 hr average C = ceiling limit in air, do not exceed

3.0 PHYSICAL DATA /

- 3.1 Appearance: Clear green liquid; mint fragrance
- 3.2 Solubility in Water: Mixes with water in all proportions
- 3.3 pH: 0.0 - 1.0 (100%)
- 3.4 Initial Boiling Point: 212 deg F
- 3.5 Specific Gravity: 1.264 @ 75 deg F

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 use and handling.
- 5.2 Conditions to Avoid: Dilute product by slowly adding to water.  
Reacts with metals; reacts vigorously with alkaline chemicals. Do not mix with chlorinated products - will cause hazardous vapors.

6.0 SPILL OR LEAK PROCEDURES / WEAR PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Dike or dam large spills; pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer; rinse area.
- 6.2 Waste Disposal: Consult state/local authority for limits on chemical waste disposal. Unused product is RCRA corrosive (D002).



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7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure to Concentrate:

Eyes: CAUSES SEVERE CHEMICAL BURNS. May cause blindness.  
++ Immediate water flushing is vital in case of eye contact ++  
Skin: CAUSES SEVERE CHEMICAL BURNS.  
If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth  
throat and stomach.  
If Inhaled: Vapors or mist cause irritation, including a burning  
Taste, sneezing, coughing and difficulty breathing. People with  
asthma or other lung problems may be more affected.

8.0 FIRST AID /

- 8.1 Eyes: Flush at once with cool running water. Remove contact lenses and continue flushing for 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. Discard or wash before reuse.
- 8.3 If Swallowed: Rinse mouth at once; then drink 1 or 2 large glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.
- 8.4 If Inhaled: Immediately move to fresh air.

IMMEDIATELY CALL THE MEDICAL EMERGENCY NUMBER, 1-800-328-0026,  
A POISON CONTROL CENTER, OR A PHYSICIAN

9.0 PROTECTIVE MEASURES /

9.1 FOR CONCENTRATE:

Eyes: Wear chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.  
Skin: Wear any industrial rubber gloves, synthetic apron, other protective equipment as necessary to prevent skin contact.  
Respiratory: Avoid breathing mists or vapors of this product.  
Note: Access to emergency eye wash and shower is recommended.

10.0 ADDITIONAL INFORMATION /

- 10.1 Purpose of 11/1/1999 issue: Formula change; associated edits.  
Replaces May 19, 1999 issue.

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.