

54-61166905; 79-61166905

Material Safety Data Sheet

ECOLAB

QC 98 NA BATH CLEANER

Section 1. Chemical product and company identification

Trade name : QC 98 NA BATH CLEANER
 Product use : Cleaning product
 Supplier : Ecolab Co.
 5105 Tomken Road
 Mississauga ON L4W 2X5
 1-800-352-5326
 Code : 903547
 Date of issue : 13-July-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 overview : WARNING!

CAUSES EYE IRRITATION.
 MAY CAUSE SKIN IRRITATION.
 Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

Potential acute health effects

Eyes : Irritating to eyes.
 Skin : Moderately irritating to the skin.
 Inhalation : Slightly irritating to the respiratory system.
 Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Section 3. Composition/information on ingredients

Name	CAS number	% by weight
dipropylene glycol methyl ether	34590-94-8	5 - 10
glycine, n,n'-1,2-ethanediylbis[n-(carboxymethyl)-, tetrapotassium salt	5964-35-2	3 - 7
alcohols, c10-14, ethoxylated	66455-15-0	3 - 7
alcohols, c12-16, ethoxylated	68551-12-2	1 - 5
SODIUM XYLENE SULFONATE	1300-72-7	0.5 - 1.5
2-propanol, 1-(1-methyl-2-propoxyethoxy)-	29911-27-1	0.5 - 1.5

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 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. If irritation persists, get medical attention.

Section 5. Fire-fighting measures

- Auto-ignition temperature** : Not available.
- Flash point** : > 100°C
- Flammable limits** : Not available.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
- Dyke 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.
- Risk of explosion of the product in the presence of mechanical impact: Not available.
- Risk of explosion of the product in the presence of static discharge: Not available.

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 spilt 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, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. 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: 0 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** : Wear eye protection.
- Hands** : For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
- 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

Exposure limits

dipropylene glycol methyl ether

CA Alberta Provincial (Canada, 6/2008). Absorbed through skin.

15 min OEL: 909 mg/m³ 15 minute(s).

15 min OEL: 150 ppm 15 minute(s).

8 hrs OEL: 606 mg/m³ 8 hour(s).

8 hrs OEL: 100 ppm 8 hour(s).

CA British Columbia Provincial (Canada, 6/2008). Absorbed through skin.

STEL: 150 ppm 15 minute(s).

TWA: 100 ppm 8 hour(s).

CA Ontario Provincial (Canada, 6/2008).STEVE: 910 mg/m³ 15 minute(s).

STEVE: 150 ppm 15 minute(s).

TWAEEV: 605 mg/m³ 8 hour(s).

TWAEEV: 100 ppm 8 hour(s).

CA Quebec Provincial (Canada, 6/2008). Absorbed through skin.STEVE: 909 mg/m³ 15 minute(s).

STEVE: 150 ppm 15 minute(s).

TWAEEV: 606 mg/m³ 8 hour(s).

TWAEEV: 100 ppm 8 hour(s).

ACGIH TLV (United States, 1/2008). Absorbed through skin.STEL: 909 mg/m³ 15 minute(s).

STEL: 150 ppm 15 minute(s).

TWA: 606 mg/m³ 8 hour(s).

TWA: 100 ppm 8 hour(s).

Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Colour	: Blue.
Odour	: Floral.
pH	: 7.8 [Conc. (% w/w): 100%]
Boiling/condensation point	: >100°C (>212°F)
Melting/freezing point	: Not available.
Relative density	: 1.075
Vapour pressure	: Not available.
Vapour density	: Not available.
Odour threshold	: Not available.
Evaporation rate	: Not available.
LogK _{ow}	: Not available.
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 polymerisation will not occur.
Conditions of instability	: Not available.
Reactivity	: Reactive or incompatible with the following materials: oxidizing materials. Slightly reactive or incompatible with the following materials: acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerisation	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

Section 11. Toxicological information

Potential acute health effects

Eyes : Irritating to eyes.
Skin : Moderately irritating to the skin.
Inhalation : Slightly irritating to the respiratory system.
Ingestion : No known significant effects or critical hazards.

Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards.
Mutagenic effects : No known significant effects or critical hazards.
Teratogenic effects : No known significant effects or critical hazards.
Reproductive effects : No known significant effects or critical hazards.
Sensitization to Product : No known significant effects or critical hazards.
Synergistic products (toxicologically) : Not available.

Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Route</u>	<u>Result</u>	<u>Species</u>
dipropylene glycol methyl ether	LD50	Dermal	10 mL/kg	Rabbit
	LD50	Oral	5.5 ml/kg	Rat
2-propanol, 1-(1-methyl-2-propoxyethoxy)-	LD50	Dermal	5660 uL/kg	Rabbit
	LD50	Oral	1620 uL/kg	Rat

Target organs : Contains material which may cause damage to the following organs: upper respiratory tract, central nervous system (CNS).

Section 12. Ecological information

Ecotoxicity

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>
Not available.		

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt 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

WHMIS : Class D-2B: Material causing other toxic effects (Toxic).

Canada inventory : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

Section 16. Other information

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

Health	* 2
Flammability	0
Physical hazards	0

Date of issue : 13-July-2009.

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

Date of previous issue : 25-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.