

Material Safety Data Sheet



66 HEAVY DUTY ALKALINE BATHROOM CLEANER AND DISINFECTANT

1. Product and company identification

Trade name of product : 66 HEAVY DUTY ALKALINE BATHROOM CLEANER AND DISINFECTANT
Product use : disinfectant

Product dilution information : Up to 12 oz/gal or 94 mL/L in water

Supplier's information : Ecolab Co.
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326

Code : 910798

Date of issue : 08-November-2012

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 : WARNING !

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
HARMFUL IF INHALED.

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

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

Potential acute health effects

Product AS SOLD
Eyes : Severely irritating to eyes.
Skin : Irritating to skin.
Inhalation : HARMFUL IF INHALED. Irritating to respiratory system.
Ingestion : No known significant effects or critical hazards.

See toxicological information (Section 11)

Product AT USE DILUTION

Liquid.
CAUTION !

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after handling.

Product AT USE DILUTION

Moderately irritating to eyes.
Slightly irritating to the skin.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
TETRASODIUM EDTA	64-02-8	10 - 30
poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	34398-01-1	1 - 5
BENZALKONIUM CHLORIDE	68424-85-1	1 - 5
TRISODIUM EDTA	150-38-9	1 - 5
ALCOHOL	64-17-5	0.1 - 1

3. Composition/information on ingredients

Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
TETRASODIUM EDTA	64-02-8	0.5 - 1.5

4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
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.	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.	Rinse with water for a few minutes.
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.	No special measures required. Treat symptomatically.
Ingestion	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

5. Fire-fighting measures

Product AS SOLD

Auto-ignition temperature	: Not available.
Flammable limits	: Not available.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special remarks on fire hazards	: Not available.
Special remarks on explosion hazards	: Not available.
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.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Use personal protective equipment as required.	Use personal protective equipment as required.
Environmental precautions	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.
Methods for cleaning up	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

7. Handling and storage

Product AS SOLD

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

Storage : Keep out of reach of children. Store in a closed container.
Do not store above the following temperature: 50°C

Product AT USE DILUTION

Avoid contact with eyes. Wash thoroughly after handling.

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

8. Exposure controls/personal protection

Product AS SOLD

Engineering measures : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour 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.

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 : Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Product AT USE DILUTION

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

Eye protection should be used when splashing may occur.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No special protection is required.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	Notations
ethanol	US ACGIH 2/2010	-	-	-	1000	-	-	-	-	-	
	AB 4/2009	1000	1880	-	-	-	-	-	-	-	
	BC 9/2010	-	-	-	1000	-	-	-	-	-	
	ON 7/2010	-	-	-	1000	-	-	-	-	-	
	QC 6/2008	1000	1880	-	-	-	-	-	-	-	

9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.

Flash point : > 100°C

Colour : Red

Odour : Floral

pH : 9 to 11 [Conc. (% w/w): 100%]

Boiling/condensation point : Not available.

Melting/freezing point : Not available.

Relative density : 1.102

Vapour pressure : Not available.

Vapour density : Not available.

Odour threshold : Not available.

Product AT USE DILUTION

Liquid.

> 100°C

Red [Light]

Floral [Slight]

8.5 to 10.5 [Conc. (% w/w): 100%]

9. Physical and chemical properties

Evaporation rate : Not available.

Viscosity : Not available.

Dispersibility properties : Not available.

Solubility : Easily soluble in the following materials: cold water and hot water.

LogK_{ow} : Not available.

10. Stability and reactivity

Product AS SOLD

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

Conditions of instability : Not available.

Reactivity : Not available.

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.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Severely irritating to eyes.

Skin : Irritating to skin.

Inhalation : HARMFUL IF INHALED. Irritating to respiratory system.

Ingestion : No known significant effects or critical hazards.

Product AT USE DILUTION

Moderately irritating to eyes.

Slightly irritating to the skin.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Product AS SOLD

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

Product/ingredient name	Test	Route	Result	Species
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	LD50	Oral	1700 mg/kg	Rat
acetic acid, (ethylenedinitrilo)tetra-, trisodium salt	LD50	Oral	2150 mg/kg	Mouse
quaternary ammonium compounds, benzyl-c12-c16-alkyldimethyl, chlorides	LD50	Oral	2150 mg/kg	Rat
	LD50	Dermal	3340 mg/kg	Rabbit
poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	LD50	Oral	344 mg/kg	Rat
	LD50	Dermal	>2000 mg/kg	Rabbit
ethanol	LD50	Oral	1700 mg/kg	Rat
	LD50	Dermal	15800 mg/kg	Rabbit

11. Toxicological information

LD50	Oral	10470 mg/kg	Rat
LC50	Inhalation	117 mg/l	Rat

Other adverse effects

Target organs : Not available.

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : 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.

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

TDG

TDG Classification : Not regulated.

IMO/IMDG

IMO/IMDG Classification : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD

WHMIS : Not a WHMIS controlled material.
DIN 02274973

Product AT USE DILUTION

Not controlled under WHMIS.
DIN: 02274973

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.

16. Other information

Product AS SOLD

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

Health	*	2
Flammability		0
Physical hazards		0

Product AT USE DILUTION

Health	*	1
Flammability		0
Physical hazards		0

16. Other information

National Fire Protection Association (U.S.A.) :



Date of issue : 08-November-2012

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.