

# SAFETY DATA SHEET



## MANUAL BAR GLASS SANITIZER

### Section 1. Chemical product and company identification

**Product name** : MANUAL BAR GLASS SANITIZER  
**Recommended use and restrictions** : Sanitizer.  
Use only for the purpose on the product label.

**Product dilution information** : Up to 1 packet/3gals of water

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

**Code** : 912065-01

**Date of issue** : 28 Mar 2013

**EPA Registration No.** : 65169-1-1677

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

### Section 2. Hazards identification

**Product AS SOLD**  
**GHS Classification** : ACUTE TOXICITY: ORAL - Category 4  
ACUTE TOXICITY: INHALATION - Category 4  
SKIN CORROSION/IRRITATION - Category 1  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

#### GHS label elements

**Signal word** : Danger

**Symbol** : 

**Hazard statements** : Harmful if swallowed or if inhaled.  
Causes severe skin burns and eye damage.

#### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not breathe dust or mist. Mixing this product with acid or ammonia releases chlorine gas. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash hands thoroughly after handling.

**Response** :

#### **Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

## Section 2. Hazards identification

	<p>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.</p>	<p>Get medical attention if symptoms appear.</p>
<b>Storage</b>	: No other specific measures identified.	No other specific measures identified.
<b>Disposal</b>	: See section 13 for waste disposal information.	See section 13 for waste disposal information.
<b>Other hazards</b>	: Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.	None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product AS SOLD**

Hazardous ingredients	Concentration Range (%)	CAS number
CITRIC ACID	20 - 50	77-92-9
Trichloromelamine	18.7	7673-09-8
benzenesulfonic acid, mono-c10-16-alkyl derivs., sodium salts	5 - 20	68081-81-2

**Product AT USE DILUTION**

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

## Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention immediately. Rinse mouth. Do not induce vomiting.	Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	:	

## Section 4. First aid measures

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If ventilation is inadequate, use respirator that will protect against dust/mist. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See toxicological information (section 11)

## Section 5. Fire-fighting measures

### Product AS SOLD

**Suitable fire extinguishing media** : Use dry chemical powder.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
phosphorus oxides  
halogenated compounds  
metal oxide/oxides

**Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**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.

## Section 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** : If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. 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.

## Section 7. Handling and storage

**Product AS SOLD**

**Handling** : Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe dust. Use only with adequate ventilation. Mixing this product with acid or ammonia releases chlorine gas. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling.

### Product AT USE DILUTION

Wash thoroughly after handling.

## Section 7. Handling and storage

**Storage** : Keep out of reach of children. Keep container tightly closed.  
Store between the following temperatures: 0 and 30°C

Keep out of reach of children.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
chlorine	<p><b>ACGIH TLV (United States, 3/2012).</b>                      STEL: 2.9 mg/m<sup>3</sup> 15 minutes.                      STEL: 1 ppm 15 minutes.                      TWA: 1.5 mg/m<sup>3</sup> 8 hours.                      TWA: 0.5 ppm 8 hours.</p> <p><b>OSHA PEL (United States, 6/2010).</b>                      CEIL: 3 mg/m<sup>3</sup>                      CEIL: 1 ppm</p> <p><b>NIOSH REL (United States, 6/2009).</b>                      CEIL: 0.5 ppm 15 minutes.                      CEIL: 1.45 mg/m<sup>3</sup> 15 minutes.</p>

	Product AS SOLD	Product AT USE DILUTION
<p><b>Appropriate engineering controls</b></p>	<p>: 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.</p>	<p>Good general ventilation should be sufficient to control worker exposure to airborne contaminants.</p>
<p><b>Personal protection</b></p>		
<p><b>Eye protection</b></p>	<p>: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.</p>	<p>No protective equipment is needed under normal use conditions.</p>
<p><b>Hand protection</b></p>	<p>: Use chemical-resistant, impervious gloves.</p>	<p>No protective equipment is needed under normal use conditions.</p>
<p><b>Skin protection</b></p>	<p>: Use synthetic apron, other protective equipment as necessary to prevent skin contact.</p>	<p>No protective equipment is needed under normal use conditions.</p>
<p><b>Respiratory protection</b></p>	<p>: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.</p>	<p>A respirator is not needed under normal and intended conditions of product use.</p>
<p><b>Hygiene measures</b></p>	<p>: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.</p>	

## Section 9. Physical and chemical properties

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	Product AS SOLD
<b>Physical state</b>	: Powder
<b>Color</b>	: White to yellowish
<b>Odor</b>	: Faint odor
<b>pH</b>	: 3.5 to 4.5 (1%)
<b>Flash point</b>	: > 100°C
<b>Explosion limits</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: >100°C (>212°F)
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 0 (Water = 1)
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: 105°C (221°F)
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Not available.

### Product AT USE DILUTION

Liquid.  
Colorless  
Faint odor  
3.26 to 3.26  
> 100°C

## Section 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Slightly reactive or incompatible with the following materials: alkalis. Mixing this product with acid or ammonia releases chlorine gas. Do not mix with bleach or other chlorinated products - will cause chlorine gas.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Ingestion

### Product AS SOLD

#### Symptoms

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Skin contact** :

### Product AT USE DILUTION

No specific data.

## Section 11. Toxicological information

	Adverse symptoms may include the following: pain or irritation redness blistering may occur	No specific data.
<b>Inhalation</b>	: Adverse symptoms may include the following: respiratory tract irritation coughing Respiratory tract irritation	No specific data.
<b>Ingestion</b>	: Adverse symptoms may include the following: stomach pains	No specific data.
<b>Acute toxicity</b>		
<b>Eye contact</b>	: Causes serious eye damage.	No known significant effects or critical hazards.
<b>Skin contact</b>	: Causes severe burns.	No known significant effects or critical hazards.
<b>Inhalation</b>	: Harmful if inhaled. May cause respiratory irritation.	No known significant effects or critical hazards.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.	No known significant effects or critical hazards.

### Toxicity data

Product/ingredient name	Result	Species	Dose
citric acid	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	11700 mg/kg
1,3,5-triazine, n,n',n"-trichloro-2,4,6-triamino-	LC50 Inhalation Dusts and mists	Rat	0.59 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	398 mg/kg
benzenesulfonic acid, mono-c10-16-alkyl derivs., sodium salts	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	1090 mg/kg

### Chronic toxicity

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is toxic to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
citric acid	Acute LC50 >100 mg/l	Fish	96 hours
1,3,5-triazine, n,n',n"-trichloro-2,4,6-triamino-	Acute EC10 0.8 mg/l	Daphnia	48 hours
	Acute EC50 1.2 mg/l	Daphnia	48 hours
	Acute LC50 2 mg/l	Fish	96 hours
benzenesulfonic acid, mono-c10-16-alkyl derivs., sodium salts	Acute LC50 3.2 mg/l	Fish	96 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : 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 AS SOLD

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## 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.

### DOT

**DOT Classification** UN3261  
**DOT Proper shipping name** Corrosive solid, acidic, organic, n.o.s. (Trichloromelamine)  
**Class** 8  
**Packing group** III

### IMO/IMDG

**IMO/IMDG Classification** UN3261  
**IMO/IMDG Proper shipping name** CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (TRICHLOROMELAMINE)  
**Class** 8  
**Packing group** III

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

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

### Product AS SOLD

#### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**EPA Registration No.** : 65169-1-1677

**SARA 302/304/311/312 extremely hazardous substances:** No listed substance

**SARA 302/304 emergency planning and notification:** No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
<b>Form R - Reporting requirements</b>	: No listed substance		

**California Prop. 65** : No listed substance

## Section 16. Other information

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Product AS SOLD

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

Health	3
Flammability	0
Physical hazards	0

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



Date of issue : 28 Mar 2013  
 Prepared by : Regulatory Affairs  
 1-800-352-5326

**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.**

Product AT USE DILUTION

Health	0
Flammability	0
Physical hazards	0

