

# SAFETY DATA SHEET



ULTRASIL MP

## Section 1. Chemical product and company identification

Product name : ULTRASIL MP  
Recommended use and restrictions : Cleaning product  
Use only for the purpose on the product label.

Product dilution information : Up to 2 oz/gal or 15 mL/L in water

Supplier's information : Ecolab Inc. Food & Beverage Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-392-3392

Code : 912840

Date of issue : 10 Jan 2014

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

## Section 2. Hazards identification

GHS Classification : **Product AS SOLD**  
SKIN CORROSION/IRRITATION - Category 1  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

### GHS label elements

Signal word : Danger

Symbol :



Hazard statements : Causes severe skin burns and eye damage.

### Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products - will cause chlorine gas.

Response :

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

### Product AT USE DILUTION

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

## Section 2. Hazards identification

do. Continue rinsing. Immediately call a POISON CENTER or physician.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

No other specific measures identified. See section 13 for waste disposal information. None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product AS SOLD**

**Hazardous ingredients**

	Concentration Range (%)	CAS number
DODECYLBENZENE SULFONIC ACID	5	27176-87-0
CITRIC ACID	5 - 20	77-92-9
propanoic acid, 2-hydroxy-, (s)-	5 - 20	79-33-4

### 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**

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Skin contact** : 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.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.

**Ingestion** : Get medical attention immediately. Rinse mouth. Do not induce vomiting.

**Protection of first-aiders** : 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Product AT USE DILUTION

No known effect after eye contact. Rinse with water for a few minutes.

No known effect after skin contact. Rinse with water for a few minutes.

No special measures required. Treat symptomatically.

Get medical attention if symptoms occur.

See toxicological information (section 11)

## Section 5. Fire-fighting measures

**Product AS SOLD**

**Suitable fire extinguishing media** : Use water spray, fog or foam.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** :

## Section 5. Fire-fighting measures

Decomposition products may include the following materials:

- carbon dioxide
- carbon monoxide
- sulfur 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

**Personal precautions**

**Product AS SOLD**  
: 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 tool to scoop up solid or absorbed material and place into appropriate labeled waste 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.

## Section 7. Handling and storage

**Handling**

**Product AS SOLD**  
: Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. 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: -5 and 40°C

### Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

## Section 8. Exposure controls/personal protection

### Control parameters

**Ingredient name**

None.

### Exposure limits

## Section 8. Exposure controls/personal protection

### Product AS SOLD

**Appropriate engineering controls** : 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

- Eye protection** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
- Hand protection** : Use chemical-resistant, impervious gloves.
- Skin protection** : Use synthetic apron, other protective equipment as necessary to prevent skin contact.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- Hygiene measures** : 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.

### Product AT USE DILUTION

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

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

A respirator is not needed under normal and intended conditions of product use.

## Section 9. Physical and chemical properties

### Product AS SOLD

- Physical state** : Liquid.
- Color** : Tan [Light]
- Odor** : Faint odor
- pH** : 2 (100%)
- Flash point** : > 100°C
- Explosion limits** : Not available.
- Flammability (solid, gas)** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Evaporation rate (butyl acetate = 1)** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.054 to 1.074 (Water = 1)
- Solubility** : Not available.
- Partition coefficient: octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Corrosion threshold** : Not available.
- Viscosity** : Kinematic (room temperature): 0 cm<sup>2</sup>/s (0 cSt)

### Product AT USE DILUTION

Liquid.  
Colorless  
Faint odor  
2 to 3  
> 100°C

## Section 10. Stability and reactivity

- Product AS SOLD**
- Stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Extremely reactive or incompatible with the following materials: alkalis.  
Highly reactive or incompatible with the following materials: metals.  
Slightly reactive or incompatible with the following materials: moisture.  
Do not mix with bleach or other chlorinated products - will cause chlorine gas.
- Hazardous decomposition products** : 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, Inhalation, Ingestion

### Product AS SOLD

#### Symptoms

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

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Inhalation** : Adverse symptoms may include the following:  
coughing  
Respiratory tract irritation

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

#### Acute toxicity

**Eye contact** : Causes serious eye damage.

**Skin contact** : Causes severe burns.

**Inhalation** : May cause respiratory irritation.

**Ingestion** : May cause burns to mouth, throat and stomach.

#### Toxicity data

**Product/ingredient name**

citric acid

propanoic acid, 2-hydroxy-, (s)-

dodecylbenzenesulfonic acid

LD50 Dermal	Rat	>2000 mg/kg
LD50 Oral	Rat	11700 mg/kg
LC50 Inhalation	Rat	>7.94 mg/l
Dusts and mists		
LD50 Dermal	Rabbit	>2000 mg/kg
LD50 Oral	Rat	3543 mg/kg
LC50 Inhalation	Rat	4.53 mg/l
Vapor		
LD50 Dermal	Rabbit	800 mg/kg
LD50 Oral	Rat	890 mg/kg

#### Chronic toxicity

**Carcinogenicity**

: No known significant effects or critical hazards.

### Product AT USE DILUTION

No specific data.

No specific data.

No specific data.

No specific data.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

### Section 11. Toxicological information

- Mutagenicity : No known significant effects or critical hazards.
- Teratogenicity : No known significant effects or critical hazards.
- Developmental effects : No known significant effects or critical hazards.
- Fertility effects : No known significant effects or critical hazards.

### Section 12. Ecological information

Product AS SOLD

- Ecotoxicity : No known significant effects or critical hazards.

#### Aquatic and terrestrial toxicity

Product/ingredient name

Product/ingredient name	Result	Species	Exposure
citric acid	Acute LC50 >100 mg/l	Fish	96 hours
propanoic acid, 2-hydroxy-, (s)-	Acute LC50 130 mg/l	Fish	96 hours
dodecylbenzenesulfonic acid	Acute LC50 4.3 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.
- RCRA classification : Unused product is D002 (Corrosive)

#### 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 : 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.

### Section 15. Regulatory information

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

#### SARA 313

Form R - Reporting requirements	Product name	CAS number	Concentration
: No listed substance			

#### California Prop. 65

: No listed substance

ULTRASIL MP

**Section 16. Other information**

Product AS SOLD  
 Hazardous Material  
 Information System (U.S.A.) :

Health	*	3
Flammability		0
Physical hazards		0

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



**Product AT USE DILUTION**

Health	0
Flammability	0
Physical hazards	0



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**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.