

# Material Safety Data Sheet



ULTRASIL OP

## 1. Product and company identification

Trade name of product : ULTRASIL OP  
Product use : Cleaning product

Product dilution information : Up to 2.0% in water

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

Code : 986752-01

Date of issue : 08-February-2011

**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 : Powder  
Emergency overview : WARNING!

OXIDIZER.  
CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.  
CAUSES RESPIRATORY TRACT AND EYE IRRITATION.  
MAY CAUSE SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep away from heat, sparks and flame. Keep only in the original container. Avoid contact with combustible materials. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Decomposes on heating. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Product AT USE DILUTION

Liquid.  
CAUTION !

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after handling.

### Potential acute health effects

**Product AS SOLD**

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

### Product AT USE DILUTION

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

See toxicological information (section 11)

### 3. Composition/information on ingredients

#### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium perborate, monohydrate	10332-33-9	>50

#### Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium perborate, monohydrate	10332-33-9	1 - 5

### 4. First aid measures

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Eye contact</b>	: 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.	Rinse with water for a few minutes.
<b>Skin contact</b>	: 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.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: If inhaled, remove to fresh air. Get medical attention if irritation persists.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

### 5. Fire-fighting measures

#### Product AS SOLD

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
sulfur oxides  
metal oxide/oxides

**Fire-fighting media and instructions** : Use dry chemical powder.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff.  
Contact with combustible material may cause fire. This material increases the risk of fire and may aid combustion. Fine dust clouds may form explosive mixtures with air.

**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

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

## 7. Handling and storage

<b>Handling</b>	<b>Product AS SOLD</b>
	: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid contact with combustible materials. Keep container closed. Keep only in the original container. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	<b>Product AS SOLD</b>
	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Store in a closed container. Separate from reducing agents and combustible materials. Store between the following temperatures: -30 and 40°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

<b>Engineering measures</b>	<b>Product AS SOLD</b>
	: 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.

### Personal protection

<b>Eyes</b>	: Wear eye protection.
<b>Hands</b>	: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: Avoid breathing dust.

**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.

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No protective equipment is needed under normal use conditions.

No special protection is required.

Ingredient	Exposure limits
sodium perborate, monohydrate	<b>ACGIH TLV (United States, 2/2010).</b> STEL: 6 mg/m <sup>3</sup> 15 minute(s). TWA: 2 mg/m <sup>3</sup> 8 hour(s).

## 9. Physical and chemical properties

<b>Physical state</b>	<b>Product AS SOLD</b>
	: Powder
	<b>Flash point</b>
	: > 100°C
	<b>Color</b>
: White with colored particles	
<b>Odor</b>	: Odorless
<b>pH</b>	: 10.2 [Conc. (% w/w): 1%]

### **Product AT USE DILUTION**

Liquid.

> 100°C

Colorless

Odorless

9 to 11

## 10. Stability and reactivity

### **Product AS SOLD**

<b>Stability</b>	: The product is stable. Decomposes on heating. Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Reactivity</b>	: Reactive or incompatible with the following materials: organic materials and moisture. Slightly reactive or incompatible with the following materials: metals and acids.
<b>Hazardous decomposition products</b>	: Oxygen

## 10. Stability and reactivity

**Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

### Potential acute health effects

**Product AS SOLD**

**Eyes** : Severely irritating to eyes.  
**Skin** : Moderately irritating to the skin.  
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### Product AT USE DILUTION

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

**Product AS SOLD**

### Potential chronic health effects

**Reproductive toxicity** : Contains material which may cause reproductive effects based on animal data.

## 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.  
**RCRA classification** : Unused product is D001 (Ignitable)

### 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

**DOT Classification** UN3377  
**DOT Proper shipping name** Sodium perborate monohydrate  
**Class** 5.1  
**Packing group** III

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## 15. Regulatory information

**Product AS SOLD**

**HCS Classification** : Oxidizing material  
 Irritating material

### Product AT USE DILUTION

Not regulated.

**Product AS SOLD**

### U.S. Federal regulations

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

## 15. Regulatory information

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

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

**SARA 313**

**Product name**

**CAS number**

**Concentration**

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

## 16. Other information

**Product AS SOLD**

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

Health	2
Flammability	0
Physical hazards	1

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



**Product AT USE DILUTION**

Health	1
Flammability	0
Physical hazards	0



Date of issue : 08-February-2011

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.