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

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.

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.

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

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

Composition/information on ingredients 3.

Product AS SOLD

Eye contact

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

Product AT USE DILUTION

CAS number % by weight **Name** 10332-33-9 1 - 5

sodium perborate, monohydrate

First aid measures 4.

Product AS SOLD

: 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.

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. Get medical attention if

irritation persists.

: Get medical attention if symptoms occur. Ingestion

Product AT USE DILUTION

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.

Fire-fighting measures 5.

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials:

sulfur oxides metal oxide/oxides

: Use dry chemical powder.

Fire-fighting media and

instructions

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.

Accidental release measures 6.

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 large amounts 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.

7. Handling and storage

Product AS SOLD

Handling

: 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.

Storage

: 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

Product AT USE DILUTION

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, 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.

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

Personal protection

Eves

: Wear eve 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

: Avoid breathing dust.

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.

No special protection is required.

Ingredient	Exposure limits
sodium perborate, monohydrate	ACGIH TLV (United States, 2/2010). STEL: 6 mg/m³ 15 minute(s). TWA: 2 mg/m³ 8 hour(s).

9. Physical and chemical properties

Product AS SOLD

Physical state Flash point

: Powder : > 100°C

Color

: White with colored particles

Odor

: Odorless

pН

: 10.2 [Conc. (% w/w): 1%]

Product AT USE DILUTION

Liquid. > 100°C Colorless Odorless

9 to 11

Stability and reactivity 10.

Product AS SOLD

Stability

Reactivity

: The product is stable. Decomposes on heating. Under normal conditions of storage and use, hazardous polymerization will not occur.

: Reactive or incompatible with the following materials: organic materials and moisture. Slightly reactive or incompatible with the following materials: metals and acids,

Hazardous decomposition products

: Oxygen

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Stability and reactivity **10.**

Hazardous polymerization

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

Toxicological information 11.

Potential acute health effects

Product AS SOLD

: Severely irritating to eyes. **Eyes**

Skin : Moderately irritating to the skin.

Inhalation : Irritating to respiratory system.

Ingestion : 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.

Ecological information 12.

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 : Unused product is D001 (Ignitable)

classification

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 Ш Packing group

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 : Oxidizing material Classification Irritating material

Product AS SOLD

U.S. Federal regulations

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

Product AT USE DILUTION

Product AT USE DILUTION

Not regulated.

Diluted product can be flushed to sanitary

sewer. Discard empty container in trash.

hazards.

No known significant effects or critical

Product AT USE DILUTION

Slightly irritating to the eyes.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

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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

OAIGA 5 15

Form R - Reporting

requirements

: No listed substance

California Prop. 65

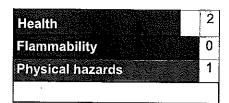
: No listed substance

16. Other information

Product AS SOLD

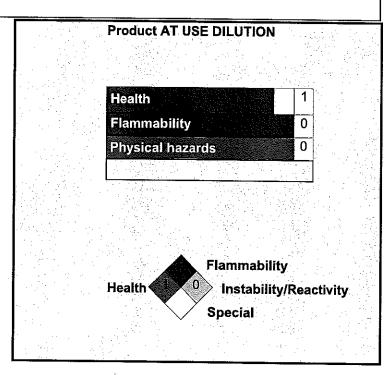
Hazardous Material

Information System (U.S.A.)



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





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.