

Material Safety Data Sheet

VIRASEPT



1. Product and company identification

Trade name of product : VIRASEPT

Product use : disinfectant

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Healthcare Division
370 N. Wabasha St.
St. Paul, MN 55102
1-866-781-8787

Code : 913261

Date of issue : 23-September-2010

EPA Registration No. : 1677-226

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 : DANGER !

Direct contact with the eyes can cause irreversible damage, including blindness.
MAY CAUSE EYE IRRITATION.

Do not get in eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD

Eyes : Direct contact with the eyes can cause irreversible damage, including blindness. Moderately irritating to eyes.

Skin : Slightly irritating to the skin.

Inhalation : Slightly irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

3. Composition/information on ingredients

Product AS SOLD

| <u>Name</u> | <u>CAS number</u> | <u>% by weight</u> |
|-------------------|-------------------|--------------------|
| ACETIC ACID | 64-19-7 | 2 |
| HYDROGEN PEROXIDE | 7722-84-1 | 3.130 |
| Octanoic acid | 124-07-2 | 0.099 |
| Peroxyacetic acid | 79-21-0 | 0.050 |

3. Composition/information on ingredients

Product AT USE DILUTION

| <u>Name</u> | <u>CAS number</u> | <u>% by weight</u> |
|---|-------------------|--------------------|
| Data not available - Refer to Product AS SOLD | | |

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 immediately. | Data not available - Refer to Product AS SOLD |
| Skin contact | : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Rinse with water for a few minutes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse. | |
| Inhalation | : No special measures required. Treat symptomatically. | |
| Ingestion | : Get medical attention if symptoms occur. | |

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.

Dike 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. | Data not available - Refer to Product AS SOLD |
| Environmental precautions | : Avoid contact of spilled material and runoff with soil and surface waterways. | |
| Methods for cleaning up | : Use a water rinse for final clean-up. | |

7. Handling and storage

| | Product AS SOLD | Product AT USE DILUTION |
|-----------------|--|---|
| Handling | : Do not get in eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. | Data not available - Refer to Product AS SOLD |
| Storage | : Keep out of reach of children. Store in a closed container. Keep container tightly closed. | |

7. Handling and storage

Do not store above the following temperature: 35°C

8. Exposure controls/personal protection

| | Product AS SOLD | Product AT USE DILUTION |
|-----------------------------|--|---|
| 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard. | Data not available - Refer to Product AS SOLD |
| Personal protection | | |
| Eyes | : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles. | Data not available - Refer to Product AS SOLD |
| 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 | : No special protection is required. | |

| Ingredient | Exposure limits |
|-------------------|---|
| HYDROGEN PEROXIDE | ACGIH TLV (United States, 2/2010). TWA: 1.4 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s). |
| ACETIC ACID | OSHA PEL (United States, 11/2006). TWA: 1.4 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s). |
| | ACGIH TLV (United States, 2/2010). STEL: 37 mg/m ³ 15 minute(s). STEL: 15 ppm 15 minute(s). TWA: 25 mg/m ³ 8 hour(s). TWA: 10 ppm 8 hour(s). |
| | OSHA PEL (United States, 11/2006). TWA: 25 mg/m ³ 8 hour(s). TWA: 10 ppm 8 hour(s). |

9. Physical and chemical properties

| | Product AS SOLD | Product AT USE DILUTION |
|-------------------------|---|---|
| Physical state | : Liquid. | Data not available - Refer to Product AS SOLD |
| Flash point | : > 100°C Product does not support combustion. | |
| Color | : Colorless to light yellow. | |
| Odor | : Pungent. | |
| pH | : 2.5 to 3.5 [Conc. (% w/w): 100%] | |
| Relative density | : 1 to 1.02 | |

10. Stability and reactivity

Product AS SOLD

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
- Reactivity** : Slightly reactive or incompatible with the following materials: metals and alkalis. 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.
- 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** : Direct contact with the eyes can cause irreversible damage, including blindness. Moderately irritating to eyes.
- Skin** : Slightly irritating to the skin.
- Inhalation** : Slightly irritating to the respiratory system.
- Ingestion** : No known significant effects or critical hazards.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Product AS SOLD

Other adverse effects

- Target organs** : Contains material which may cause damage to the following organs: upper respiratory tract, teeth.

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

Data not available - Refer to Product AS SOLD

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

IMO/IMDG Classification : Not regulated.

See shipping documents for specific transportation information.

15. Regulatory information

Product AS SOLD

HCS Classification : Irritating material
Target organ effects

Product AS SOLD

U.S. Federal regulations

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

EPA Registration No. : 1677-226

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

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

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.) :



Date of issue : 23-September-2010
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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.