

Material Safety Data Sheet

VICTORY



VICTORY

19 October 2011

1. Product and company identification

Trade name of product : VICTORY
 Product use : Sanitizer.

Product dilution information : Not applicable

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

Code : 984484-04
 Date of issue : 19-October-2011
 EPA Registration No. : 1677-186

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!
 CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
 OXIDIZER.
 CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.
 CAUSES RESPIRATORY TRACT IRRITATION.
 HARMFUL OR FATAL IF SWALLOWED.
 Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Keep away from heat, sparks and flame. Keep only in the original container. Avoid contact with combustible materials. 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
 Data not available - Refer to Product AS SOLD

Potential acute health effects

Product AS SOLD
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Causes burns to mouth, throat and stomach.

Product AT USE DILUTION
 Data not available - Refer to Product AS SOLD

See toxicological information (Section 11)

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
ACETIC ACID	64-19-7	31
Peroxyacetic acid	79-21-0	15.2
HYDROGEN PEROXIDE	7722-84-1	11.2

Product AT USE DILUTION

Name	CAS number	% by weight
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. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	Data not available - Refer to Product AS SOLD
Inhalation	: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.	Data not available - Refer to Product AS SOLD
Ingestion	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.	Data not available - Refer to Product AS SOLD

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.

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. 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

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.	Product AT USE DILUTION 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	: 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 water rinse for final clean-up.	

8. Exposure controls/personal protection

ACETIC ACID	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, 6/2010). TWA: 25 mg/m ³ 8 hour(s). TWA: 10 ppm 8 hour(s).
HYDROGEN PEROXIDE	ACGIH TLV (United States, 2/2010). TWA: 1.4 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s). OSHA PEL (United States, 6/2010). TWA: 1.4 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s).

7. Handling and storage

Handling	Product AS SOLD : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Avoid contact with combustible materials. Keep container closed. Keep only in the original container. Use only with adequate ventilation. Wash thoroughly after handling.	Product AT USE DILUTION Data not available - Refer to Product AS SOLD
Storage	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Store in a closed container. Separate from reducing agents and combustible materials. Store between the following temperatures: -10 and 50°C	

9. Physical and chemical properties

Physical state	Product AS SOLD : Liquid.	Product AT USE DILUTION Data not available - Refer to Product AS SOLD
Flash point	: 96 °C (Closed cup) Product does not support combustion.	
Color	: Colorless	
Odor	: Acetic acid.	
pH	: 1.8 [Conc. (% w/w): 100%]	
Boiling/condensation point	: >100°C (>212°F)	
Relative density	: 1.114	
Dispersibility properties	: Easily dispersible in the following materials: cold water and hot water.	
Solubility	: Easily soluble in the following materials: cold water and hot water.	

8. Exposure controls/personal protection

Engineering measures	Product AS SOLD : 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.	Product AT USE DILUTION 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	: Use chemical-resistant, impervious gloves.	
Skin	: Wear suitable protective clothing.	
Respiratory	: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.	

10. Stability and reactivity

Product AS SOLD	
Stability	: The product is stable. Decomposes on heating. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Reactive or incompatible with the following materials: organic materials, metals and alkalis. Do not mix with bleach or other chlorinated products - will cause chlorine gas.
Hazardous decomposition products	: Oxygen
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Ingredient	Exposure limits

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Corrosive to eyes.

Skin : Corrosive to the skin.

Inhalation : Severely irritating to the respiratory system.

Ingestion : Causes burns to mouth, throat and stomach.

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: blood, lungs, liver, upper respiratory tract, central nervous system (CNS), teeth, testes.

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 D002 (Corrosive)
Unused product is D001 (Ignitable)

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

DOT Classification : UN3109

DOT Proper shipping name : Organic peroxide type F, liquid (Peroxyacetic acid, Type F, stabilized)

Class : 5.2 (8)

Packing group : -

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

15. Regulatory information

Product AS SOLD

HCS Classification : Oxidizing material
Corrosive material
Target organ effects

Product AT USE DILUTION
Data not available - Refer to Product AS SOLD

Product AS SOLD

U.S. Federal regulations

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

EPA Registration No. : 1677-186

SARA 302/304/311/312 extremely hazardous substances: peracetic acid

SARA 302/304 emergency planning and notification: peracetic acid

SARA 313	Product name	CAS number	Concentration

15. Regulatory information

Form R - Reporting requirements : peracetic acid 79-21-0 15.2

California Prop. 65 : No listed substance

16. Other information

Product AS SOLD

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

Health	3
Flammability	0
Physical hazards	1

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



Date of issue : 19-October-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.