

Material Safety Data Sheet



HYDROGEN PEROXIDE

1. Product and company identification

Trade name of product : HYDROGEN PEROXIDE

Product use : Laundry product

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Textile Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-553-8683

Code : 959320-02

Date of issue : 20-January-2012

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.
MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Do not get in eyes, on skin or on clothing. 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. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD

Eyes : Corrosive to eyes.

Skin : Corrosive to the skin.

Inhalation : Slightly irritating to the respiratory system.

Ingestion : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

See toxicological information (Section 11)

Product AT USE DILUTION

Product is sold ready to use.

Product AT USE DILUTION

Product is sold ready to use.

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
HYDROGEN PEROXIDE	7722-84-1	33.25

Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Product is sold ready to use.		

3. Composition/information on ingredients

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.	Product is sold ready to use.
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.	
Inhalation	: No special measures required. Treat symptomatically.	
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.	

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products

: No specific data.

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

Product AS SOLD		Product AT USE DILUTION
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.	Product is sold ready to use.
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.	

7. Handling and storage

	Product AS SOLD
Handling	: Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid contact with combustible materials. Keep only in the original container. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Separate from reducing agents and combustible materials.
	Do not store above the following temperature: 50°C

Product AT USE DILUTION
Product is sold ready to use.

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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protection

Eyes	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
Hands	: Use chemical-resistant, impervious gloves.
Skin	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.
Respiratory	: No special protection is required.

Product AT USE DILUTION
Product is sold ready to use.

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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). OSHA PEL (United States, 6/2010). TWA: 1.4 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s).

9. Physical and chemical properties

	Product AS SOLD
Physical state	: Liquid.
Flash point	: > 100°C
Color	: Clear
Odor	: Pungent
pH	: 1.7 to 3.2 [Conc. (% w/w): 100%]
Boiling/condensation point	: >100°C (>212°F)
Relative density	: 1.08 to 1.18
Solubility	: Easily soluble in the following materials: cold water and hot water.

Product AT USE DILUTION
Product is sold ready to use.

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** : Highly reactive or incompatible with the following materials: organic materials, metals and alkalis.
Reactive or incompatible with the following materials: acids.
- Hazardous decomposition products** : Oxygen
- 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** : Corrosive to eyes.
- Skin** : Corrosive to the skin.
- Inhalation** : Slightly irritating to the respiratory system.
- Ingestion** : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

Product AT USE DILUTION

Product is sold ready to use.

Product AS SOLD

Other adverse effects

- Target organs** : Contains material which may cause damage to the following organs: blood, lungs, upper respiratory tract, central nervous system (CNS).

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

Product is sold ready to use.

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** UN2014
- DOT Proper shipping name** Hydrogen peroxide, aqueous solutions
- Class** 5.1 (8)
- Packing group** II

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

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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 Product name CAS number Concentration

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

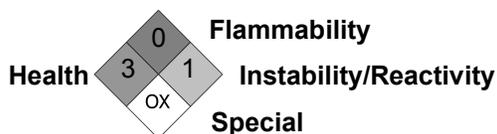
16. Other information

Product AS SOLD

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

Health	3
Flammability	0
Physical hazards	1

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



Date of issue : 20-January-2012
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.**