

SAFETY DATA SHEET

OXYCIDE DAILY DISINFECTANT CLEANER

Section 1. Chemical product and company identification

Product name : OXYCIDE DAILY DISINFECTANT CLEANER
Recommended use and restrictions : disinfectant

Use only for the purpose on the product label.

Product dilution information : Up to 3 oz/gal or 23 mL/L in water

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

Code : 979252-15

Date of issue : 25 Jun 2013

EPA Registration No. : 1677-237

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD

GHS Classification : OXIDIZING LIQUIDS - Category 3
ACUTE TOXICITY: ORAL - Category 3
ACUTE TOXICITY: SKIN - Category 4
ACUTE TOXICITY: INHALATION - Category 3
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Signal word : Danger

Symbol : 

Hazard statements : May intensify fire; oxidizer.
Toxic if swallowed or if inhaled.
Harmful in contact with skin.
Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. Chemical splash goggles, impervious gloves and apron should be used when there is a likelihood of exposure to concentrated product. Keep away from heat.
- No smoking. Keep away from clothing, incompatible materials and combustible materials. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Do not mix with bleach or other chlorinated products -

Product AT USE DILUTION

ACUTE TOXICITY: ORAL - Category 4

Warning



Harmful if swallowed.

Wash hands thoroughly after handling.

Section 2. Hazards identification

<p>Response</p> <p>Storage</p> <p>Disposal</p> <p>Other hazards</p>	<p>will cause chlorine gas. Wash hands thoroughly after handling.</p> <p>: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.</p> <p>: No other specific measures identified.</p> <p>: See section 13 for waste disposal information.</p> <p>: None known.</p>	<p>IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.</p> <p>No other specific measures identified.</p> <p>See section 13 for waste disposal information.</p> <p>None known.</p>
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Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
HYDROGEN PEROXIDE	27.5	7722-84-1
Peroxyacetic Acid	5.8	79-21-0
ACETIC ACID	8	64-19-7

Product AT USE DILUTION		
Hazardous ingredients	Concentration Range (%)	CAS number
HYDROGEN PEROXIDE	<1	7722-84-1

Section 4. First aid measures

<p>Eye contact</p> <p>Skin contact</p> <p>Inhalation</p> <p>Ingestion</p>	<p>Product AS SOLD</p> <p>: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.</p> <p>: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p> <p>: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.</p> <p>: Get medical attention immediately. Rinse mouth. Do not induce vomiting.</p>	<p>Product AT USE DILUTION</p> <p>No known effect after eye contact. Rinse with water for a few minutes.</p> <p>No known effect after skin contact. Rinse with water for a few minutes.</p> <p>No special measures required. Treat symptomatically.</p> <p>Get medical attention if you feel unwell. Rinse mouth.</p>
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Section 4. First aid measures

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If ventilation is inadequate, use respirator that will protect against dust/mist. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : Oxidizing material. May intensify fire. In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Risk of explosion. If large quantities are involved in a major fire, evacuate the area. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fight fire from protected location or maximum possible distance.
- 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.

Section 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.	Use personal protective equipment as required.
Environmental precautions	: Avoid contact 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.
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. If emergency personnel are unavailable, contain spilled material. Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

Section 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep away from combustible materials. Keep only in original container. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling.	Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling. Keep out of reach of children.
Storage	: Keep out of reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Store only in the original, properly sealed vented container. Separate from reducing agents and combustible materials. Store between the following temperatures: -10 and 40°C	

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
HYDROGEN PEROXIDE	ACGIH TLV (United States, 3/2012). TWA: 1.4 mg/m ³ 8 hours. TWA: 1 ppm 8 hours. OSHA PEL (United States, 6/2010). TWA: 1.4 mg/m ³ 8 hours. TWA: 1 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 1 ppm 10 hours. TWA: 1.4 mg/m ³ 10 hours.
ACETIC ACID	ACGIH TLV (United States, 3/2012). STEL: 37 mg/m ³ 15 minutes. STEL: 15 ppm 15 minutes. TWA: 25 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. OSHA PEL (United States, 6/2010). TWA: 25 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 10 ppm 10 hours. TWA: 25 mg/m ³ 10 hours. STEL: 15 ppm 15 minutes. STEL: 37 mg/m ³ 15 minutes.

	Product AS SOLD	Product AT USE DILUTION
Appropriate engineering controls	: 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.	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		
Eye protection	:	

Section 8. Exposure controls/personal protection

	Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. Chemical splash goggles, impervious gloves and apron should be used when there is a likelihood of exposure to concentrated product.	No protective equipment is needed under normal use conditions.
Hand protection	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
Skin protection	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
Respiratory protection	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.	A respirator is not needed under normal and intended conditions of product use.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

Section 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Color	: Colorless	Colorless
Odor	: Pungent	Acetic acid.
pH	: 0.49 (100%)	3.06
Flash point	: > 100°C Product does not support combustion.	> 100°C
Explosion limits	: Not available.	
Flammability (solid, gas)	: Not available.	
Melting point	: Not available.	
Boiling point	: Not available.	
Evaporation rate (butyl acetate = 1)	: Not available.	
Vapor pressure	: Not available.	
Vapor density	: Not available.	
Relative density	: 1.12 (Water = 1)	
Solubility	: Soluble in the following materials: cold water and hot water.	
Partition coefficient: n-octanol/water	: Not available.	
Auto-ignition temperature	: Not available.	
Decomposition temperature	: Not available.	
Odor threshold	: Not available.	
Viscosity	: Not available.	

Section 10. Stability and reactivity

Product AS SOLD

- Stability** : The product is stable.
- Possibility of hazardous reactions** : Hazardous reactions or instability may occur under certain conditions of storage or use.
Conditions may include the following:
contact with combustible materials
Reactions may include the following:
risk of causing or intensifying fire
- Conditions to avoid** : Drying on clothing or other combustible materials may cause fire.
- Materials to avoid** : Extremely reactive or incompatible with the following materials: alkalis.
Highly reactive or incompatible with the following materials: metals.
Reactive or incompatible with the following materials: organic materials.
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.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Inhalation** : Adverse symptoms may include the following:
coughing
Respiratory tract irritation
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Acute toxicity

- Eye contact** : Causes serious eye damage.
- Skin contact** : Causes severe burns. Harmful in contact with skin.
- Inhalation** : Toxic if inhaled. May cause respiratory irritation.
- Ingestion** : Toxic if swallowed. May cause burns to mouth, throat and stomach.

Product AT USE DILUTION

No specific data.

No specific data.

No specific data.

No specific data.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Harmful if swallowed.

Toxicity data

Product/ingredient name

Hydrogen peroxide	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	486 mg/kg
acetic acid	LC50 Inhalation	Rat	>40 mg/l
	Vapor		
	LD50 Dermal	Rabbit	1060 mg/kg
	LD50 Oral	Rat	3310 mg/kg
peracetic acid	LC50 Inhalation	Rat	5.175 mg/l
	Dusts and mists		
	LD50 Dermal	Rat	1012 mg/kg

Section 11. Toxicological information

LD50 Oral Rat 1634 mg/kg

Chronic toxicity

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : This material is harmful to aquatic life.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Hydrogen peroxide	Acute EC50 1.38 mg/l	Aquatic plants	72 hours
acetic acid	Acute LC50 75 mg/l	Fish	96 hours
peracetic acid	Acute EC50 0.73 mg/l	Daphnia	48 hours
	Chronic NOEC 0.2 ppm	Fish - Cyprinus	30 days
	Fresh water	carpio - Young	

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

	Product AS SOLD	Product AT USE DILUTION
Disposal methods	: 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.	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)	

Section 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.

DOT

- DOT Classification** UN3109
- DOT Proper shipping name** Organic peroxide type F, liquid (Peroxyacetic acid, Type F, stabilized)
- Class** 5.2 (8)
- Packing group** -

IMO/IMDG

- IMO/IMDG Classification** UN3109
- IMO/IMDG Proper shipping name** ORGANIC PEROXIDE TYPE F, LIQUID (peracetic acid)
- Class** 5.2 (8)
- Packing group** -

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION
Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

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

EPA Registration No. : 1677-237

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

SARA 302/304 emergency planning and notification: Peroxyacetic acid

SARA 313	Product name	CAS number	Concentration
Form R - Reporting requirements	: Peroxyacetic acid	79-21-0	5.8

California Prop. 65 : No listed substance

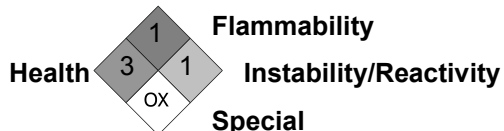
Section 16. Other information

Product AS SOLD

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

Health	*	3
Flammability		1
Physical hazards		1

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



Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0



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 1-800-352-5326

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.