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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

CURoxide™

### Details of the supplier of the safety data sheet

**Company Name** CURIS® System, LLC  
Inc. 1713 Kennedy Point  
Suite 1001  
Oviedo, FL 32765

Have the product container or label with you when calling a Poison Control Center, or doctor, or going for treatment.  
For general information on product use, ect., call the National Pesticides Information Center at:  
1-800-858-7378  
For emergencies, call the Poison Control Center:  
1-800-222-1222  
For non-US emergencies, contact CURIS for emergency contacts for your country.

## 2. HAZARDS IDENTIFICATION

### Classification

Serious eye damage/eye irritation

### Label elements

#### Emergency Overview

#### Hazard statements

Irritant to skin and eyes

Harmful if swallowed IF SWALLOWED, immediately call a poison center or doctor/physician.

Causes serious eye damage if protective gear is not worn



**Appearance** Clear

**Physical state** Liquid

**Odor** Odorless

#### Precautionary Statements - Prevention

Wash, face, hands, and any exposed skin thoroughly after handling

This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of potential risk. The precautionary statement and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.



**6. ACCIDENTAL RELEASE MEASURES**

- Person-related Safety Precautions: Wear protective equipment. Keep unprotected persons away when applying.
- Measures for cleaning/ Collecting: Absorb with liquid binding material(sand, acid binders, universal binders, sawdust) or wipe with a towel.
- Additional Information: No dangerous materials are released.

**7. HANDLING AND STORAGE**

Read EPA Registered CURoxide™ Solution Label before use.

**Handling**

- Information for safe handling: No special measures required.
- Information about protection against explosions and fires: No special measures required.

**Storage**

- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility: Store away from edible food items.
- Further information about storing conditions: Do not store in direct sunlight.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**PPE should be selected upon the conditions this product is normally used. Refer to the EPA Registered CURoxide™ Solution Label.**

**Control parameters**

**Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

*NIOSH IDLH Immediately Dangerous to Life or Health*

ACGIH(American Conference for Governmental Industrial Hygenists)

TLV(Threshold Limit Value)

OSHA(Occupational Safety and Health Administration)

PEL(Permissible Exposure Limit)

NIOSH(National Institute for Occupational Safety and Health)

IDLH(Immediately Dangerous to Life or Health)

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection**

Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

**Skin and Body Protection**

Wear protective gloves and protective clothing.

**Respiratory Protection**

N95 respirator, Powered Air Purifying Respirator with organic vapor filter, or equivalent, depending on environment.

**General Hygiene**

- Handle in accordance with good industrial hygiene and safety practice.
- Avoid contact with skin, eyes, and clothing. Wear suitable glove, eye, and face protection.
- Do not eat, drink, or smoke while using this product.
- Remove all contaminated clothing and wash before reusing.
- Do not remove clothing from the work site.
- If on the skin, wash with water immediately.
- Wash hands after solution use.
- Remove and wash contaminated equipment before use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear
<b>Color</b>	Colorless
<b>Odor</b>	Odorless

<b><u>Property</u></b>	<b><u>Values</u></b>
<b>pH</b>	2 - 4
<b>Specific Gravity</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Flash point</b>	Above 200°F
<b>Boiling point / boiling range</b>	No data available
<b>Evaporation rate</b>	No Information available
<b>Flammability (solid, gas)</b>	No data available
<b>Flammability Limits in Air</b>	No Information available
<b>Upper flammability limit</b>	No Information available
<b>Lower flammability limit</b>	No Information available
<b>Vapor pressure</b>	No Information available Complete
<b>Vapor density</b>	No Information available
<b>Water solubility</b>	No Information available
<b>Partition coefficient</b>	No Information available
<b>Autoignition temperature</b>	
<b>Decomposition temperature</b>	
<b>Other Information</b>	
<b>Density Lbs/Gal</b>	8.46
<b>VOC Content (%)</b>	No Information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

None under normal processing

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal conditions.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** >2.77 g/m<sup>3</sup> (rat) may cause irritation to the respiratory track.

**Eye contact** Severely irritating to eyes.

**Skin Contact** Irritating to skin.

**Ingestion** No data available. May cause gastro intestinal irritation. Harmful if swallowed. Ingestion may cause digestive tract irritation or corrosion, nausea and possibly bloody vomiting, bloody diarrhea and abdominal pain.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Peroxide 7722-84-1	= 1518 mg/kg ( Rat )	= 4060 mg/kg ( Rat ) = 2000 mg/kg ( Rabbit )	= 2 g/m <sup>3</sup> ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** No Information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No Information available.  
**Germ cell mutagenicity** No Information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP
Hydrogen Peroxide 7722-84-1	A3	Group 3	-

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 3 -Not classifiable as a human carcinogen*

**Reproductive toxicity** No Information available.  
**STOT - single exposure** No Information available.  
**STOT - repeated exposure** No Information available.  
**Aspiration hazard** No Information available.

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hydrogen Peroxide 7722-84-1	2.5: 72 h Chlorella vulgaris mg/L EC50	10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static	18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50
-	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	4.6: 12 h Daphnia magna mg/L EC50
-	-	1020: 72 h Carassius auratus mg/L LC50 flow-through	115 - 153: 48 h Daphnia magna mg/L EC50

**Chemical Fate Information**

Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. Degrades in the atmosphere within the light spectrum with hydroxyl radicals in the gas phase and subsequent photolysis.

**13. DISPOSAL CONSIDERATIONS**

**Storage and Disposal**

Do not contaminate water, food, or feed by storage and disposal.

**Pesticide Storage**

Keep out of direct sunlight and away from heat. Do not freeze. Store in original closed plastic container in a cool, dry area, at average/normal room temperature, away from small children and pets.

**Pesticide Disposal**

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Disposal**

Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration. If product is leaking or spills should occur, dilute with water and dry with absorbent material, or dilute with water as it is flushed into waste water drain.

**14. TRANSPORT INFORMATION**

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMD</u>	Not regulated
<u>EUADR</u>	Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

Compliant  
 All active components are listed as compliant.

**US Federal Regulations**

**US EPA 74348-FL-1**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

Not reportable

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrogen Peroxide 7722-84-1	-	1000 lb	-

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachussets	Pennsylvania	Rhode Island
Hydrogen Peroxide 722-84-1	x	x	x	x
Proprietary	x	x	x	x
Proprietary	x			

**16. OTHER INFORMATION**

**HMIS(Hazardous Materials Identification System), During Application**

Health	Minimal
Flammibility	Minimal
Physical Hazard	Minimal
Personal Protection(PPE)	H (safety goggles, gloves, PAPR or SCBA respirator in the place of an organic R95/ carbon vapor cartridge respirator)

**NFPA(National Fire Protection Association), During Application**

<b>Health</b>	Insignificant
<b>Flammability</b>	Insignificant
<b>Reactivity</b>	Insignificant
<b>Special Requirements</b>	No special requirements

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**