

# Safety Data Sheet



Zep Commercial Sales & Service  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-888-805-HELP (4357)  
www.zepcommercial.com

## Section 1. Chemical Product and Company Identification

**Product name** Advanced Oxy  
**Product code** ZUOXS  
**Date of issue** 11/27/13 **Supersedes** 09/19/11

### Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

**For Medical Emergency**  
(877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

### Prepared By

Compliance Services  
1259 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

CAUTION

CAUSES EYE IRRITATION.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity



NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact. Inhalation.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching. Liquid in eye may cause irritation with possible damage if not rinsed immediately.

**Skin** Prolonged or repeated contact may dry skin and cause irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** No known acute effects of this product resulting from inhalation.

**Ingestion** May be harmful if swallowed. May cause burns to mouth, throat and stomach.

### Chronic effects

Contains material which may cause damage to the following organs: blood, lungs, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

### Carcinogenicity Classification

No known significant effects or critical hazards.

**Additional information: See toxicological information (Section 11)**

## Section 3. Composition/Information on Ingredients

Name	CAS number	%
hydrogen peroxide	7722-84-1	1 - 5

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.

**Ingestion** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

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



<b>Flash Point</b>	Closed cup: >93.33°C (>200°F)
<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Non-combustible.
<b>Fire hazard</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

<b>Handling</b>	Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Do not ingest. Wash thoroughly after handling. Do not reuse container.
<b>Storage</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection**

Ingredient	Exposure limits
hydrogen peroxide	<b>ACGIH TLV (United States, 3/2012).</b> TWA: 1 ppm 8 hours. TWA: 1.4 mg/m <sup>3</sup> 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1 ppm 8 hours. TWA: 1.4 mg/m <sup>3</sup> 8 hours. <b>NIOSH REL (United States, 1/2013).</b> TWA: 1 ppm 10 hours. TWA: 1.4 mg/m <sup>3</sup> 10 hours. <b>OSHA PEL (United States, 6/2010).</b> TWA: 1 ppm 8 hours. TWA: 1.4 mg/m <sup>3</sup> 8 hours.

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Safety glasses.
<b>Body</b>	For prolonged or repeated handling, use the following type of gloves: Rubber gloves.
<b>Respiratory</b>	No special ventilation requirements.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Clear. Colorless.
<b>pH</b>	4.5 to 5.5	<b>Odor</b>	Pleasant.
<b>Boiling Point</b>	>100°C (>212°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.022	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
		<b>VOC (Consumer)</b>	0 % (w/w) 0 lbs/gal (0 g/l)

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Slightly reactive or incompatible with the following materials: alkalis.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> )

**Section 11. Toxicological Information**

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

**Section 12. Ecological Information**

**Environmental Effects** Not available.

**Aquatic ecotoxicity**

Product/ingredient name	Result	Species	Exposure
hydrogen peroxide	Acute EC50 1.2 mg/l Marine water Acute EC50 5.38 mg/l Fresh water Acute EC50 2320 µg/l Fresh water Acute LC50 22 ppm Fresh water	Algae - Dunaliella tertiolecta - Exponential growth phase Algae - Pseudokirchneriella subcapitata Daphnia - Daphnia magna - Neonate Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling)	72 hours 96 hours 48 hours 96 hours

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Classification: Non-hazardous waste by Characteristic.  
Origin: RCRA waste.

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
<b>DOT Classification</b>	Not regulated.	-	-	-	
<b>TDG Classification</b>	Not regulated.	-	-	-	
<b>IMDG Class</b>	Not regulated.	-	-	-	

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:  
No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations****California Prop 65**

No products were found.

**Canada****WHMIS (Canada)**

Class D-1B: Material causing immediate and serious toxic effects (Toxic).

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.