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# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** ZEP OXY  
**Product use** Carpet and Upholstery Cleaner.  
**Product code** 0828  
**Date of issue** 09/16/14 **Supersedes** 10/27/11

### Emergency Telephone Numbers

**For MSDS Information:**  
Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

**For Medical or Transportation Emergency**  
CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

**Prepared By**  
Technical Services Group  
11627 178th Street  
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## Section 2. Hazards Identification

### Emergency overview

**CAUTION!**

MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**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

Eye contact Skin contact

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** Harmful if swallowed. Can cause gastrointestinal disturbances.

### Chronic effects

There is no known chronic effect after exposure to this product.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

HYDROGEN PEROXIDE; peroxide

### CAS number

7722-84-1

### % by Weight

5 - 10

## 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. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. 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. Get medical attention immediately.

## Section 5. Fire Fighting Measures

<b>Flash Point</b>	None.
<b>Flammable Limits</b>	Not determined.
<b>Flammability</b>	Non-combustible.
<b>Auto-ignition Temperature</b>	
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire. Wear special protective clothing and positive pressure, self-contained breathing apparatus.
<b>Fire hazard</b>	In a fire or if heated, a pressure increase will occur and the container may burst. Substance releases oxygen when heated, which may increase the severity of an existing fire.
<b>Products of Combustion</b>	carbon oxides (CO, CO <sub>2</sub> ). exposure to heat and Exposure to sunlight accelerates decomposition.
<b>Explosion hazard</b>	Not available.

## Section 6. Accidental Release Measures

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). 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. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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## Section 7. Handling and Storage

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Observe label precautions. Do not reuse container. Wash thoroughly after handling.
<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. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). 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. Keep out of the reach of children.

## Section 8. Exposure Controls/Personal Protection

### Product name

Hydrogen Peroxide

### Exposure limits


ACGIH TLV (United States).

TWA: 1 ppm 8 hour(s).

OSHA PEL (United States).

TWA: 1 ppm 8 hour(s).

### Personal Protective Equipment (PPE)

<b>Eyes</b>	Splash goggles.	
<b>Hands and Body</b>	Chemical-resistant gloves. Neoprene Nitrile Rubber	
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.	

## Section 9. Physical and Chemical Properties

<b>Physical State</b>	Thin liquid	<b>Color</b>	Clear. Colorless.
<b>pH</b>	5 - 6	<b>Odor</b>	Odorless.
<b>Boiling Point</b>	Not available.	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in the following materials: hot water, cold water.	<b>Evaporation Rate</b>	1 (Water = 1)
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	0 % (w/w) [ISO 11890-1]

## Section 10. Stability and Reactivity

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive or incompatible with the following materials: oxidizing materials reducing materials and Cyanide salt. Slightly reactive or incompatible with the following materials: organic materials. Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

### Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Hydrogen peroxide	LD50 Oral	Rat	1232 mg/kg	-

## Section 12. Ecological Information

**Environmental Effects** No known significant effects or critical hazards.

### Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Hydrogen Peroxide	-	Acute LC50 16.4 mg/L	Fish	96 hours

## Section 13. Disposal Considerations

### Waste Information

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: - (None.)

Classification: - (Non-hazardous waste)

## Section 14. Transport Information

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

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. **Limited Quantity:** Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

## Section 15. Regulatory Information

### Canada

#### WHMIS (Canada)

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 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.*