

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** CRYSTAL ODOR & PROTEIN  
**Revision date** 12-30-2011  
**Version #** 01  
**CAS #** Mixture  
**Product code** COP-6-1  
**Product use** Cleaner.  
**Manufacturer/Supplier** R.E. Whittaker Co.  
302 South Croton Avenue  
New Castle, PA. 16101 USA  
**Telephone number** (724) 658-8568  
**Emergency** (800) 535-5053

## 2. Hazards Identification

**Physical state** Liquid.  
**Appearance** Light yellow, hazy liquid.  
**Emergency overview** WARNING!

May cause skin and eye irritation. Mist or vapor may be irritating to eyes and respiratory tract.

### OSHA regulatory status

This product is hazardous according to OSHA 29 CFR 1910.1200.

### Potential health effects

#### Routes of exposure

Inhalation. Eye contact. Skin contact.

#### Eyes

May cause eye irritation.

#### Skin

May cause skin irritation.

#### Inhalation

May be irritating to the respiratory tract.

#### Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

### Potential environmental effects

Not expected to be harmful to aquatic organisms.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Hydrogen peroxide	7722-84-1	1-5

### Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

### First aid procedures

#### Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

#### Skin contact

Wash with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

#### Inhalation

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

#### Ingestion

Seek medical advice.

## 5. Fire Fighting Measures

### Flammable properties

No unusual fire or explosion hazards noted.

### Extinguishing media

#### Suitable extinguishing media

Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### Fire fighting

#### equipment/instructions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Hazardous combustion products** Carbon oxides.

## 6. Accidental Release Measures

**Personal precautions** Not normally required. For industrial use, wear appropriate personal protective equipment (See Section 8).

**Methods for cleaning up** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.  
Large Spills: Flush area with water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

## 7. Handling and Storage

**Handling** Keep away from clothing and other combustible materials. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.  
If frozen, allow to thaw to room temperature. Mix before using.

**Storage** Keep container closed. Do not store near heat. Store away from incompatible materials.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Hydrogen peroxide (7722-84-1)	TWA	1 ppm

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Hydrogen peroxide (7722-84-1)	PEL	1.4 mg/m <sup>3</sup>
		1 ppm

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Hydrogen peroxide (7722-84-1)	TWA	1.4 mg/m <sup>3</sup>
		1 ppm

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Hydrogen peroxide (7722-84-1)	TWA	1 ppm

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Hydrogen peroxide (7722-84-1)	TWA	1 ppm

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Hydrogen peroxide (7722-84-1)	TWA	1.4 mg/m <sup>3</sup>
		1 ppm

#### Mexico. Occupational Exposure Limit Values

Components	Type	Value
Hydrogen peroxide (7722-84-1)	STEL	3 mg/m <sup>3</sup>
		2 ppm
	TWA	1.5 mg/m <sup>3</sup>
		1 ppm

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye / face protection** Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

<b>Skin protection</b>	Not normally needed. Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
<b>Respiratory protection</b>	Not normally needed. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Light yellow, hazy liquid.
<b>Color</b>	Light yellow.
<b>Odor</b>	Odorless.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>pH</b>	6.5
<b>Flash point</b>	> 200
<b>Evaporation rate</b>	< 1 (Butyl acetate = 1)
<b>Specific gravity</b>	1
<b>Solubility (water)</b>	Complete.
<b>Density</b>	8.4 lb/gal

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Strong reducing agents. Do not mix with other chemicals or household cleaners.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Acute effects</b>	May cause skin and eye irritation. Mist or vapor may be irritating to eyes and respiratory tract.
<b>Sensitization</b>	No sensitizing effects known.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### ACGIH Carcinogens

Hydrogen peroxide (CAS 7722-84-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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### IARC Monographs. Overall Evaluation of Carcinogenicity

Hydrogen peroxide (CAS 7722-84-1)	3 Not classifiable as to carcinogenicity to humans.
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## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Mobility in environmental media</b>	No data available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with all local, State and Federal regulations.
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**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

**14. Transport Information****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**TDG**

Not regulated as dangerous goods.

**15. Regulatory Information****US federal regulations**

This product is hazardous according to OSHA 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)**

Not regulated.

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity**

Hydrogen peroxide (CAS 7722-84-1) 1000 LBS

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity**

Hydrogen peroxide (CAS 7722-84-1) 1000 LBS

**CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)**

No

**Section 311/312 (40 CFR 370)**

Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)**

Not controlled

**WHMIS status**

Controlled

**WHMIS classification**

D2B - Other Toxic Effects-TOXIC

**WHMIS labeling****Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - California Hazardous Substances (Director's): Listed substance**

Hydrogen peroxide (CAS 7722-84-1) Listed.

**US - Massachusetts RTK - Substance: Listed substance**

Hydrogen peroxide (CAS 7722-84-1) Listed.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

Hydrogen peroxide (CAS 7722-84-1) 500 LBS

**US - New Jersey RTK - Substances: Listed substance**

Hydrogen peroxide (CAS 7722-84-1) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Hydrogen peroxide (CAS 7722-84-1) Listed.

**Mexico regulations** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

**16. Other Information**

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**  
 Health: 2  
 Flammability: 1  
 Physical hazard: 0

**NFPA ratings**  
 Health: 2  
 Flammability: 1  
 Instability: 0

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**Issue date** 12-30-2011