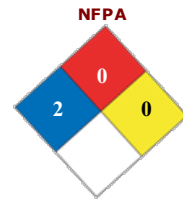


## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

**Product Name:** CR85336IR  
**Product Code:** CR85336IR  
**SDS Manufacturer Number:** 3208NONREG  
**Product Description:** PeridoxRTU, sterile, 1 gallon bottle  
**Product Use/Restriction:** Disinfectant. Ready to use. Do not dilute.  
**Manufacturer Name:** Contec, Inc.  
**Address:** 525 Locust Grove  
Spartanburg, South Carolina 29303  
USA  
**Website:** www.contecinc.com  
**General Phone Number:** +1-864-503-8333  
**Emergency Phone Number:** Chemtrec® US: 1-800-424-9300 International: 1-703-527-3887  
**SDS Creation Date:** August 24, 2016  
**SDS Revision Date:** November 15, 2018



| HMIS                |   |
|---------------------|---|
| Health Hazard       | 2 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection | X |

### SECTION 2 : HAZARD(S) IDENTIFICATION

GHS Pictograms:



**Signal Word:** WARNING!  
**GHS Class:** Eye Irritant, Category 2.  
**Hazard Statements:** Causes eye irritation.  
**Precautionary Statements:** Wash hands thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
**Emergency Overview:** WARNING! Mild irritant. Irritating to eyes, respiratory system and skin.  
**Route of Exposure:** Eyes. Skin. Inhalation. Ingestion.  
**Potential Health Effects:**  
**Eye:** Eye contact may cause moderate to severe irritation.  
**Skin:** Mild skin irritation is possible upon direct contact depending on degree and duration of contact. .  
**Inhalation:** May cause respiratory tract irritation.  
**Ingestion:** Ingestion of this product is unlikely. This product may be harmful if it is swallowed.  
**Target Organs:** Eyes. Skin. Respiratory system. Digestive system.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name     | CAS#      | Ingredient Percent    | EC Num.   |
|-------------------|-----------|-----------------------|-----------|
| Hydrogen peroxide | 7722-84-1 | 4 - 4.8 by weight     | 231-765-0 |
| Acetic acid       | 64-19-7   | <10 by weight         | 200-580-7 |
| Peroxyacetic acid | 79-21-0   | 0.17 - 0.29 by weight | 201-186-8 |
| Other             | No Data   | <1 by weight          |           |
| Water             | 7732-18-5 | 85 - 95 by weight     | 231-791-2 |

## SECTION 4 : FIRST AID MEASURES

|                      |  |
|----------------------|--|
| <b>Eye Contact:</b>  | Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention. |
| <b>Skin Contact:</b> | Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.      |
| <b>Inhalation:</b>   | If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.                                    |
| <b>Ingestion:</b>    | If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.                                      |

## SECTION 5 : FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Flash Point:</b>                     | Not determined.   |
| <b>Auto Ignition Temperature:</b>       | Not determined.   |
| <b>Lower Flammable/Explosive Limit:</b> | Not determined.   |
| <b>Upper Flammable/Explosive Limit:</b> | Not determined.   |
| <b>Fire Fighting Instructions:</b>      | Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water. |
| <b>Extinguishing Media:</b>             | Use flooding quantities of water only. Fight fire from protected location or maximum distance. Use water spray to keep fire-exposed containers cool.  |
| <b>Unsuitable Media:</b>                | Chemical type extinguishers are not effective with peroxyacetic acid or hydrogen peroxide, which are ingredients in this product.   |
| <b>Protective Equipment:</b>            | In the event of a fire, wear Self-Contained Breathing Apparatus (SCBA), approved or in accordance to NFPA, NIOSH, and/or European Standard EN 137 guidelines or equivalent and full protective gear.                              |
| <b>Hazardous Combustion Byproducts:</b> | Carbon oxides. acetic acid Oxygen that supports combustion.   |
| <b><u>NFPA Ratings:</u></b>             |   |
| NFPA Health:                            | 2   |
| NFPA Flammability:                      | 0   |
| NFPA Reactivity:                        | 0   |

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Personal Precautions:</b>      | Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.   |
| <b>Environmental Precautions:</b> | Avoid runoff into storm sewers, ditches, and waterways.  |
| <b>Methods for containment:</b>   | Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. |
| <b>Methods for cleanup:</b>       | Clean up spills immediately observing precautions in the protective equipment section. Contain and recover liquid when possible.   |

## SECTION 7 : HANDLING and STORAGE

|                           |  |
|---------------------------|--|
| <b>Handling:</b>          | Store containers in upright position only. Avoid contamination; impurities accelerate decomposition. Never return product to original container. Empty containers as thoroughly as possible. One gallon and smaller container: If empty, wrap container and put in trash or offer for recycling. If partly filled, call your local solid waste agency for disposal instructions. Larger than one gallon container: Triple rinse prior to disposal. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or incineration. Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. |
| <b>Storage:</b>           | Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Keep container tightly closed when not in use. Maintain temperature between 32°F and 104°F (0°C and 40°C). Do not allow product to freeze or become overheated. This may cause increased degradation of the product, which will decrease product effectiveness.   |
| <b>Hygiene Practices:</b> | Wash thoroughly after handling.  |

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

|                                     |  |
|-------------------------------------|--|
| <b>Engineering Controls:</b>        | Use appropriate engineering controls such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.  |
| <b>Eye/Face Protection:</b>         | Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.   |
| <b>Skin Protection Description:</b> | Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.  |
| <b>Respiratory Protection:</b>      | The need for respiratory protection will vary according to the airborne concentrations and environmental conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances. |

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PPE Pictograms:



#### EXPOSURE GUIDELINES

##### **Hydrogen peroxide :**

Guideline ACGIH: TLV-TWA: 1 ppm

Guideline OSHA: PEL-TWA: 1 ppm

##### **Acetic acid :**

Guideline ACGIH: TLV-STEL: 15 ppm

TLV-TWA: 10 ppm

##### **Peroxyacetic acid :**

Guideline ACGIH: TLV-STEL: 0.4ppm

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

|  |                                  |
|--|----------------------------------|
| Physical State Appearance:             | Liquid with white to grey tinge. |
| Odor:                                  | Acetic acid or vinegar like.     |
| Boiling Point:                         | Not determined.                  |
| Melting Point:                         | Not determined.                  |
| Density:                               | 1.02 g/ml, 8.53 lbs/gal          |
| Solubility:                            | Completely soluble in water.     |
| Vapor Density:                         | Not determined.                  |
| Vapor Pressure:                        | Not determined.                  |
| Percent Volatile:                      | >99%                             |
| Evaporation Rate:                      | Not determined.                  |
| pH:                                    | 1.9 - 2.2                        |
| Viscosity:                             | 1 cP Dynamic Viscosity           |
| Coefficient of Water/Oil Distribution: | Not determined.                  |
| Flash Point:                           | Not determined.                  |
| Auto Ignition Temperature:             | Not determined.                  |
| VOC Content:                           | Not determined.                  |

## SECTION 10 : STABILITY and REACTIVITY

|                           |   |
|---------------------------|---|
| Chemical Stability:       | Stable under normal temperatures and pressures.   |
| Hazardous Polymerization: | Not reported.   |
| Conditions to Avoid:      | Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. |
| Incompatible Materials:   | Oxidizing agents. Strong acids and alkalis.   |

## SECTION 11 : TOXICOLOGICAL INFORMATION

|                                   |                         |
|-----------------------------------|-------------------------|
| Skin:                             | Rat LD50: >5000 mg/kg   |
| Inhalation:                       | Rat LC50: >2.21 mg/l    |
| Ingestion:                        | Rat LD50: > 5000 mg/kg  |
| <b><u>Hydrogen peroxide :</u></b> |                         |
| Skin:                             | Rat : 4060 mg/kg        |
| Inhalation:                       | Rat LC50: 2000 mg/l     |
| Ingestion:                        | Rat LD50: 376 mg/kg     |
| <b><u>Acetic acid :</u></b>       |                         |
| Skin:                             | Rabbit LD50: 1060 uL/kg |
| Inhalation:                       | Rat LC50: 11.4 mg/l/4H  |
| Ingestion:                        | Rat LD50: 3310 mg/kg    |
| <b><u>Peroxyacetic acid :</u></b> |                         |
| Skin:                             | Rabbit LD50: 1.41 mL/kg |

Inhalation: Rat LC50: 450 mg/l  
Ingestion: Rat LD50: 1.54 mL/kg

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: This material contains components that may cause harm to animals, plants or fish.  
Environmental Fate: Not determined.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 or the EU Directive 2008/98/EC on waste for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state, local, or provincial waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

## SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.  
DOT Hazard Class: Not applicable.  
DOT Packing Group: Not applicable.  
DOT Exemption: According to UN test O.2 for oxidizing liquids and In vitro corrosivity testing specified in 49 CFR, this material does not meet the definition of a class 5.1 oxidizer (49 CFR 173.127) or a class 8 corrosive material (49 CFR 173.136), and therefore, is not regulated as a dangerous good.  
  
IATA Shipping Name: Not regulated as hazardous material for transportation.  
IATA Hazard Class: Not applicable.  
IATA Packing Group: Not applicable.  
  
IMDG Shipping Name : Not regulated as hazardous material for transportation.  
IMDG Hazard Class : Not applicable.  
IMDG Packing Group : Not applicable.  
Marine Pollutant: No.

## SECTION 15 : REGULATORY INFORMATION

US Federal: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: WARNING. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. PHYSICAL AND CHEMICAL HAZARDS: This product contains an oxidizing agent. Avoid contact with other sanitizers, cleaners or organic substances. ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without appropriate dilution.  
  
TSCA Inventory Status: Listed  
  
SARA: This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).  
  
Section 302 EHS: EPCRA (SARA Title III) Section 302 (40 CFR Part 355) Extremely Hazardous Substances (EHS) Threshold Planning Quantity (TPQ) in pounds.  
Peracetic Acid: RQ = 500 lbs.  
Hydrogen Peroxide: TPQ = 1,000 lbs, RQ = 1,000 lbs  
Hydrogen Peroxide(<52%): 10,000 lbs  
  
CERCLA Section 302: Listed (Acetic Acid = 5,000 lbs), Category D  
  
Section 311/312 Hazard Categories: Acute Health Hazard: Yes.  
Chronic Health Hazard: No.  
Risk of ignition.: No.  
Sudden Release of Pressure Hazard.: No.  
Reactive Hazard: No.  
  
Section 313: Listed  
  
OSHA Process Safety: Irritant.  
  
RCRA 261.33 Code: Not Regulated.  
  
Canada WHMIS: Controlled - Class: D2B Toxic  
  
Canada IDL: Listed (Hydrogen Peroxide, PerAcetic Acid, Acetic Acid)

**Hydrogen peroxide :**

TSCA Inventory Status: Listed  
Canada DSL: Listed  
EC Number: 231-765-0

**Acetic acid :**

TSCA Inventory Status: Listed  
Canada DSL: Listed  
EC Number: 200-580-7

**Peroxyacetic acid :**

EC Number: 201-186-8

**Water :**

TSCA Inventory Status: Listed  
Canada DSL: Listed  
EC Number: 231-791-2

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**SECTION 16 : ADDITIONAL INFORMATION**

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**HMIS Ratings:**

HMIS Health Hazard: 2  
HMIS Fire Hazard: 0  
HMIS Reactivity: 0  
HMIS Personal Protection: X

SDS Creation Date: August 24, 2016  
SDS Revision Date: November 15, 2018  
SDS Author: Actio Corporation

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