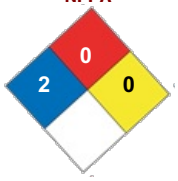
SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product Name:	**HC85336**
Product Code:	0000
Product Description:	Peridox RTU*
Product Use/Restriction:	Disinfectant. Ready to use. Do not dilute.
Manufacturer Name:	BioMed Protect
Address:	1100 Corporate Square Dr. Suite 220 St. Louis, MO 63132 USA
Website:	www.contecinc.com
General Phone Number:	1-864-503-8333
Emergency Phone Number:	1-800-222-1222
SDS Creation Date:	July 24, 2015
SDS Revision Date:	July 24, 2015

NFPA



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! Harmful if in eyes, on skin or swallowed. Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	Can cause severe irritation, redness and swelling.
Skin:	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling.
Inhalation:	May cause severe respiratory system irritation.
Ingestion:	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous 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

Eye Contact:	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.
Skin Contact:	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.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	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

Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	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.
Extinguishing Media:	Use flooding quantities of water only. Fight fire from protected location or maximum distance. Use water spray to keep fire-exposed containers cool.
Unsuitable Media:	Chemical type extinguishers are not effective with peroxyacetic acid or hydrogen peroxide, which are ingredients in this product.
Protective Equipment:	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.
Hazardous Combustion Byproducts:	Carbon oxides. acetic acid Oxygen that supports combustion.

NFPA Ratings:

NFPA Health:	2
NFPA Flammability:	0
NFPA Reactivity:	0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Methods for containment:	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.
Methods for cleanup:	Clean up spills immediately observing precautions in the protective equipment section. Contain and recover liquid when possible.
Other Precautions:	Wear appropriate protective equipment and, where mists or vapors of unknown concentrations may be generated. Wear a respirator with an organic-vapor-removing cartridge and a prefilter approved for pesticides with MSHA/NIOSH approval number prefix TC-23C or with a canister approved for pesticides with MSHA/NIOSH approval number prefix TC-14G.

SECTION 7 : HANDLING and STORAGE

Handling:	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.
Storage:	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.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Eye/Face Protection:	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.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149 Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.
PPE Pictograms:	

EXPOSURE GUIDELINES

Guideline ACGIH:	No data available for this product.
Guideline OSHA:	No data available for this product.
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

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Color:	light grey
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:	2.1-2.2 at 20°C
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:	Dermal Rat LD50: >5000 mg/kg
Inhalation:	Inhalation Rat LC50: >2.21 mg/l
Ingestion:	Oral Rat LD50: > 5000 mg/kg
Hydrogen peroxide :	
Eye:	Eye - Rabbit Standard Draize test.: 1 mg
Skin:	Administration onto the skin - Rat : 4060 mg/kg [Lungs, Thorax, or Respiration - Pulmonary emboli] Administration onto the skin - Rabbit : 500 mg/kg [Behavioral - Convulsions or effect on seizure threshold] Administration onto the skin - : 2 gm/kg [Behavioral - Convulsions or effect on seizure threshold]

	Administration onto the skin - Mouse : 1072 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Mouse : 4032 mg/kg/18W (Intermittent) [Tumorigenic - carcinogenic by RTECS criteria Skin and Appendages - Tumors Tumorigenic - Facilitates action of known carcinogen]
Inhalation:	Inhalation - Rat LC50: 2000 mg/m3 [Details of toxic effects not reported other than lethal dose value] Inhalation - Rat LC50: 2 gm/m3/4H [Lungs, Thorax, or Respiration - Pulmonary emboli]
Ingestion:	Oral - Rat LD50: 376 mg/kg [Gastrointestinal - Peritonitis Blood - Pigmented or nucleated red blood cells Blood - Changes in leukocyte (WBC) count] Oral - Rat LD50: 4050 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 2000 mg/kg [Details of toxic effects not reported other than lethal dose value]

Acetic acid :

Eye:	Administration into the eye - Rabbit Rinsed with water : 5 mg/30S [Mild] (RTECS)
Skin:	Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill : 1060 uL/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rat TDLo - Lowest published toxic dose : 0.25 mg/kg [Gastrointestinal - Ulceration or bleeding from duodenum] Administration onto the skin - Rabbit TDLo - Lowest published toxic dose : 0.04 gm/kg/24H [Skin and Appendages - Primary irritation (After topical exposure)] Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill : 1060 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Open irritation test : 525 mg [Severe] Administration onto the skin - Rabbit Standard Draize test : 50 mg/24H [Mild] (RTECS)
Inhalation:	Inhalation - Mouse LC50 - Lethal concentration, 50 percent kill : 5620 ppm/1H [Sense Organs and Special Senses (Eye) - Conjunctive irritation Sense Organs and Special Senses (Eye) - effect, not otherwise specified Blood - Other changes] Inhalation - Mouse LC50 - Lethal concentration, 50 percent kill : 5620 ppm/1H [Details of toxic effects not reported other than lethal dose value] Inhalation - Rat LC50 - Lethal concentration, 50 percent kill : 11000 mg/m3/4H [Details of toxic effects not reported other than lethal dose value] Inhalation - Mouse LC50 - Lethal concentration, 50 percent kill : 5620 mg/m3/1H [Details of toxic effects not reported other than lethal dose value] (RTECS)
Ingestion:	Oral - Rat LD50 - Lethal dose, 50 percent kill : 3310 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50 - Lethal dose, 50 percent kill : 4960 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

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

SDS Creation Date:	July 24, 2015
SDS Revision Date:	July 24, 2015
MSDS Author:	Actio Corporation