

Section I - Chemical Products & Company Identifications

Product Name	SanotracinRTU™
EPA Reg. No.	88089-4
Description	Colorless with slight gray tinge
Company	BioMed Protect LLC 13475 Lakefront Dr. Earth City, MO 63045 USA
Telephone	For Non-Emergency Product and MSDS Information: 1-314-344-1900
Emergency Telephone No.	6:30AM to 4:30PM Pacific Time (PT), seven days a week call National Pesticides Information: 1-800-858-7378 During other times, call the poison control center: 1-800-222-1222
Creation Date	19-Dec-2011
Version	1.0

Section II - Health Hazard Data

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Causes severe eye irritation. Avoid contact with skin, eyes, clothing. Avoid breathing dust, vapor or spray mist. 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.

HMIS® Classification		NFPA® Rating	
Health Hazards	3	Health	3
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0
Physical Hazards		Special Hazards	

HMIS® Ratings Note: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal, D=face shield, gloves, chemical apron

HMIS® is a registered trademark of the National Paint and Coating Association. NFPA® is a registered trademark of the National Fire Protection Association.

Section III - Composition / Information on Ingredients

Ingredients	CAS#	Concentration	Exposure Limit
Hydrogen Peroxide	7722-84-1	4.0-4.8%	1ppm (TWA) ACGIH 1ppm PEL (1.4mg/m ³) OSHA
Peroxyacetic (Peracetic) Acid	79-21-0	0.17-0.29%	None established
Other		< 1.0%	None established
Water (Reverse Osmosis / De-ionized)	7732-18-5	Balance	

Section IV - First Aid Measures

Have the product container with you when calling a poison control center or doctor or going for treatment.

- | | |
|---------------------|--|
| If Swallowed | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| If in Eyes | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. |

Section V - Fire Fighting Measures

Flammable Limits

Not available.

Suitable Extinguishing Media

Use flooding quantities of water only. Use water spray to keep fire-exposed containers cool. Fight fire from protects location or maximum distance. Chemical type extinguishers are not effective with peracetic acid or hydrogen peroxide, which are ingredients in this product.

Special Protective Equipment for Firefighters

Use personal protective equipment and wear positive pressure self-contained breathing apparatus for fire-fighting.

Fire-Point

No fire-point. This material will not sustain a flame.

Section VI - Accidental Release Measures

Steps to be taken in case of material spill or release

CAUTION! Floors may be slippery. Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mists or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

Ventilate the space involved. Small spills may be flushed to an approved sewer line with generous amounts of water. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water to ensure that all the hydrogen peroxide is removed. Contain and recover liquid when possible. 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.

Waste Disposal Method

Dispose of in compliance with Federal, state and local laws and regulations. Consult a regulatory specialist for assistance.

Section VII - Handling and Storage

Handling

Store containers in upright position only. Empty containers as thoroughly as possible. Rinse thoroughly with water before disposal. Avoid contamination; impurities accelerate decomposition. Never product to original container.

Storage

Store in original containers in a cool, dry area, away from direct sunlight. Do not allow product to become overheated in storage. Avoid storage temperatures above 30C (86°F). This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water.

Ventilation

Store and use in well ventilated areas.

Section VIII - Exposure Controls / Personal Protection

Engineering Controls

In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Respiratory Protection

Use only in well-ventilated areas.

Protective Gloves

The use of rubber or neoprene gloves is recommended.

Eye & Face Protection

Wear protective eyewear such as goggles, face shield, or safety glasses.

Section IX - Physical and Chemical Properties

Description	Colorless with slight gray tinge
Odor	Pungent, vinegar-like odor
Form	Liquid
Melting Point	Not applicable
Boiling Point	No data
Flash Point	Not applicable

Section IX - Physical and Chemical Properties (Continued)

Explosive Properties	No data
Auto-Ignition Temperature	No data
Vapor Pressure	No data
Vapor Density	No data
Percent Volatiles	>99%
Dynamic Viscosity	1 cP
Kinematic Viscosity	No data
Specific Gravity	1.02 g/ml, 8.5 lbs./gal.
Solubility	Water: 100% Soluble
pH	2.1-2.2 at 20C

Section X - Stability and Reactivity

Hazardous Decomposition Products	Oxygen that supports combustion Acetic Acid Carbon Monoxide Carbon Dioxide
Hazardous Reactions	This product is not considered to be an explosion hazard. Drying of concentrated hydrogen peroxide on clothing or other combustible materials may cause fire or explosion.
Sensitivity to Static Discharge	Not available
Sensitivity to Impact	Not available

Section XI - Toxicology Information

Acute Toxicity	Oral: LD ₅₀ (rat) > 5000 mg/kg Inhalation: LC ₅₀ (rat) > 2.21 mg/l Dermal: LD ₅₀ (rat) > 5000 mg/kg
Skin Corrosion / Irritation	Aceto-whitening of skin may occur, which is expected to return to normal in less than an hour.
Serious Eye Damage / Eye Irritation	Severe Irritant.
Skin Sensitization	Not available.
Target Organs	Eyes, skin, nose, throat, lungs
Acute Effects from Overexposure	No data available for this product. Liquid may cause irreversible tissue damage to eyes. Inhalation of vapors may cause lacrimation and irritation of the mucous membranes, eyes, and nasal passages. Persons with asthma or susceptibility to asthma-like symptoms or with impaired or compromised respiratory function should avoid exposure.
Chronic Effects from Overexposure	No data available for this product. Product contains hydrogen peroxide. There are reports of limited evidence of carcinogenicity of hydrogen peroxide to mice administered high concentrations in their drinking water (IARC Monograph 36, 1985). The U.S. Federal Drug Administration has concluded that there is insufficient evidence of carcinogenicity and the International Agency for Research on Cancer (IARC) has concluded that this chemical is not classifiable as to its carcinogenicity to humans (group 3).
Carcinogenicity	
Hydrogen Peroxide	NTP - Not listed IARC - IARC Group 3 OSHA - Not Listed Other - ACGIH (A3, Animal Carcinogen)

Section XII - Ecological Information

Ecotoxicological Information	No data available for this product.
Chemical Fate Information	No data available for this product. Hydrogen peroxide and peracetic acid are completely miscible with water. Aqueous solutions of peracetic acid hydrolyze to acetic acid and hydrogen peroxide. Aqueous solutions of hydrogen peroxide degrade to oxygen and water.

Section XIII - Transport Information

DOT (US)	Not Dangerous Goods
-----------------	---------------------

Section XIV - Regulatory Information

United States

Toxic Substances Control Act (TSCA)	Listed
US EPA Regulation on Pesticides	This product is an EPA FIFRA registered pesticide, EPA Registration No. 88089-4. The product can only be used commercially in the EPA FIFRA registered application(s) noted on the product label.
RCRA Status	Not regulated
OSHA Hazards	Irritant
SARA 302 Reportable Quantity	Peracetic Acid: RQ = 500 lbs. Hydrogen Peroxide: TPQ = 1,000 lbs., RQ = 1,000 lbs.
SARA 311 Hazard Category	Fire Hazard, Immediate (Acute) Health Hazard
SARA 312 Threshold Planning Quantity	Peracetic Acid: 500 lbs. <52% Hydrogen Peroxide: 10,000 lbs.
SARA 313 Components	Listed
CERCLA Regulatory	Listed (Acetic Acid = 5000 lbs.), Category D.

Canada

Workplace Hazardous Materials Information System (WHMIS)	Hazard Classification: Class D2B Ingredient Disclosure List: Listed (Hydrogen Peroxide, Peracetic Acid, Acetic Acid)
---	---

Section XV - Other

The information in this document is correct to the best of our knowledge, information, and belief at the date of its publication and is applicable to the product with regard to appropriate safety precautions. It does not represent a warranty or guarantee of properties of the product. BioMed Protect, LLC, shall not be held liable for any damage resulting from handling or from contact with the product.

© 2011 BioMed Protect LLC