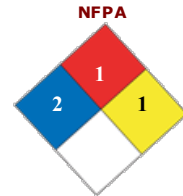




SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product Name: MRC-101-320
Product Code: 0000
SDS Manufacturer Number: N/A
Product Description: Sporicidin® Mold and Mildew Stain Remover
Manufacturer Name: Sporicidin, a division of Contec, Inc.
Address: 525 Locust Grove
Spartanburg, South Carolina 29303
United States
Website: www.contecinc.com or www.sporicidin.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 27, 2014
SDS Revision Date: August 27, 2014



HMIS	
Health Hazard	2
Fire Hazard	1
Reactivity	1
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 eye 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.

Emergency Overview: WARNING! Irritant. Weak oxidizing agent that is stable under normal conditions. Decomposes to yield Oxygen that supports combustion. .

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

Eye: May cause irritation.

Skin: May cause irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Ethyl alcohol	64-17-5	1 - 3 by weight	200-578-6
Hydrogen peroxide	7722-84-1	6 - 8 by weight	231-765-0
Water	7732-18-5	89 - 93 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.
Other First Aid:	First Responders should provide for their own safety prior to rendering assistance.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	>100 °C (>212 °F)
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 dry chemical or foam when fighting fires involving this material. Water mist may be used to cool closed containers.
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.
Unusual Fire Hazards:	Material may spatter above 100 °C/212 °F.
NFPA Ratings:	
NFPA Health:	2
NFPA Flammability:	1
NFPA Reactivity:	1

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:	Contain spills with an inert absorbent material such as soil, sand or oil dry.
Methods for cleanup:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Store away from direct heat or sunlight, sources of UV radiation, peroxides, or free radicals. Do not store in temperatures above 49°C (120 °F) or below 9°C (48 °F). Keep away from direct sunlight.
Work Practices:	Handle in accordance with good industrial hygiene and safety practices.
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.
Hand Protection Description:	Nitrile rubber or natural rubber gloves are recommended.

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

Ethyl alcohol:

Guideline ACGIH: TLV-TWA: 1000 ppm

Guideline OSHA: PEL-TWA: 1000 ppm

Hydrogen peroxide:

Guideline ACGIH: TLV-TWA: 1 ppm

Guideline OSHA: PEL-TWA: 1 ppm

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Color:	Clear, colorless
Odor:	Odorless.
Boiling Point:	100°C (212°F)
Melting Point:	Not determined.
Density:	8.8 lbs/gal
Specific Gravity:	1.05
Solubility:	completely soluble in water.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Percent Volatile:	>99%
Evaporation Rate:	Not determined.
pH:	7.0-8.5 at 20°C
Flash Point:	>100 °C (>212 °F)
Auto Ignition Temperature:	Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under recommended handling and storage conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F).
Incompatible Materials:	Water reactive materials.
Special Decomposition Products:	Thermal decomposition can lead to release irritant fumes and toxic gases.

SECTION 11 : TOXICOLOGICAL INFORMATION

Ethyl alcohol:

Eye:	Eye - Rabbit Rinsed with water.: 100 mg/4S
Skin:	Administration onto the skin - Rabbit LDLo: 20 gm/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Open irritation test: 400 mg Administration onto the skin - Rabbit Standard Draize test.: 20 mg/24H
Inhalation:	Inhalation - Rat LC50: 20000 ppm/10H [Details of toxic effects not reported other than lethal dose value] Inhalation - Mouse LC50: 39 gm/m3/4H [Details of toxic effects not reported other than lethal dose value]
Ingestion:	Oral - Rat LD50: 7060 mg/kg [Lungs, Thorax, or Respiration - Other changes] Oral - Mouse LD50: 3450 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD50: 7 gm/kg [Details of toxic effects not reported other than lethal dose value]

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]

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No environmental information found for this 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.
IATA Shipping Name:	Not regulated as hazardous material for transportation.
IATA UN Number:	Not applicable.
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

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).
California PROP 65:	The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This product does not contain any Proposition 65 chemicals.
Canada WHMIS:	Xi - Irritant.
<u>Ethyl alcohol :</u>	
TSCA Inventory Status:	Listed
Canada DSL:	Listed
EC Number:	200-578-6
<u>Hydrogen peroxide :</u>	
TSCA Inventory Status:	Listed
Canada DSL:	Listed
EC Number:	231-765-0
<u>Water :</u>	
EC Number:	231-791-2

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 2
HMIS Fire Hazard: 1
HMIS Reactivity: 1
HMIS Personal Protection: X

SDS Creation Date: August 27, 2014

SDS Revision Date: August 27, 2014

Copyright© 1996-2018 Enviance. All Rights Reserved.