

Material Safety Data Sheet

HMIS

Health Hazard	1
Fire Hazard	2
Reactivity	0
Personal Protection	c

NFPA



1. Chemical Product & Company Data

Product Name: Microban Disinfectant Spray Plus & Fragrance Free Version		Revision Date: January 28, 2013
Manufacturer: ProRestore Products 1016 Greentree Road, Suite 115 Pittsburgh, PA 15220 Telephone: 1-412-264-8340	Supplier:	
CHEMICAL EMERGENCY: INFOTRAC (US) 1-800-535-5053 (INT'L) 1-800-323-3500		

2. Ingredients

Name	CAS #	UN #	% by volume
2-propanol	67-63-0		5-10
O-Phenylphenol	90-43-7		2200 ppm
Diisobutylphenoxyethoxy ethyl dimethyl benzyl ammonium chloride monohydrate	121-54-0		7000 ppm

3. Hazards Identification

Emergency Overview
Skin and eye irritant.
NOTE: Hazard information is based on the characteristics of the components of this mixture.
Ingestion - May cause abdominal discomfort, nausea, vomiting and diarrhea.
Inhalation - May cause irritation of the respiratory tract.
Eye Contact - May cause eye irritation.
Skin Contact - Prolonged contact may cause discomfort and irritation of the skin.

4. First Aid

Inhalation - Remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Eye Contact - Immediately flush with plenty of water. Get medical attention if irritation persists.
Skin Contact - Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists.
Ingestion - Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol. Get medical attention.

Microban Disinfectant Spray Plus

5. Fire Fighting Measures

Flammability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions? Combustible liquid. Potential fire hazard when exposed to excessive heat, flame or other sources of ignition.	
Flashpoint: 102 °F (38.9 °C)	Upper flammable limit % by volume	Lower flammable limit % by volume
Autoignition temperature	Hazardous combustion products	Explosion data
Means of extinction:		

6. Accidental Release Measures

<p>Wear personal protective equipment.</p> <p>Do not allow spill to reach watercourse or sewers.</p> <p>Contain spill with absorbent mats or booms or inert materials such as sand. Material should be readily available in the workplace.</p> <p>Collect and store waste materials in suitable containers for disposal ie. metal drums.</p>
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7. Handling & Storage

<p>To prevent vapor escaping to the atmosphere keep all containers closed or covered.</p> <p>Eyewash stations are recommended in the workplace.</p> <p>If eye irritation is encountered the use of a full facepiece respirator is recommended. Mechanical ventilation is recommended in enclosed workspaces.</p> <p>Area should be evacuated of all non essential personnel prior to application of product.</p>
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8. Exposure Controls & Personal Protection

Personal Protective Equipment				
Gloves Natural Rubber	Respirator Respiratory protection is only required when fogging or atomizing in the breathing zone, or when being used in a poorly ventilated		Eye Goggles	
Footwear n. ap.	Clothing Coveralls or equivalent		Other n. ap.	
Exposure Guidelines				
none established for product				
	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
2-propanol	400 ppm	500 ppm	400 ppm	500 ppm
Limit values in other countries:				
2-propanol	UK	OES (8 hr TWA)	999 mg/m ³	
2-propanol	Australia	(8 hr TWA)	500 mg/m ³	

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9. Physical and Chemical Properties

Physical state Liquid	Odor and appearance Milky white liquid, mint odor when fragrance is added	
Odor threshold (ppm) n. av.	Vapor pressure (mm Hg) n. av.	Vapor density (Air=1) n. av.
Evaporation (butyl acetate = 1) n. av.	Boiling point 212 °F (100 °C)	Freezing point n. av.
pH 6.5 - 7.5	Specific gravity 0.97	Coefficient water/oil distribution n. av.
Solubility in water 100%	Viscosity n. av.	% Volatiles (by weight) n. av.

10. Stability and Reactivity

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions?
Incompatibility with other substances Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions?
Reactivity, and under what conditions? n. ap.	
Hazardous decomposition products? n. ap.	

11. Toxicological Information

Route of Entry Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>			
No toxicity studies have been conducted for the product.			
Carcinogenicity No	Mutagenicity No	Teratogenicity No	Reproductive toxicity No
Synergistic products No	Sensitization No	Neurotoxicity No	Target organs Eyes and Skin

12. Ecological Information

n. av.

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13. Disposal Considerations

Dispose of in compliance with all Federal, state and local laws and regulations.

14. Transport Information

Note: US domestic shipments are not DOT regulated for truck or rail shipments up to 119 gallons or less.
Consumer Commodity - ORM-D Air for air shipments in the US.

Shipping Name: DISINFECTANTS, N.O.I.

Hazard Class:

UN Identification #:

15. Regulatory Information

This material safety data sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Act (Can.) and the Controlled Products Regulations (Can.) This product has been classified in accordance with the hazard criteria of the CPR (Can.) and the MSDS contains all the information required by the CPR (Can.).

Federal Level Regulations: This is an EPA FIFRA registered pesticide (EPA Registration No. 70385-5). This material can only be used commercially in the EPA registered application(s) noted on the product label.

Toxic Substance Control Act (TSCA): All intentionally present components are listed on the TSCA inventory.

This product is classed as a **skin and eye irritant** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **D2B**

R phrases: R10, R20/21/22, R36/37/38

S phrases: S2/3, S16, S24/25, S29/56, S36/37/38, S62

This product is not subject to the reporting requirement of Section 313 of Title III of Superfund Amendments and Reauthorization Act (SARA) 1986 and 40 CFR part 372.

16. Other Information

This product is a disinfectant and deodorant.

Abbreviations:

n. av. = not available

mm Hg = millimeters of Mercury

COC = Cleveland Open Cup

LD = Lethal Dose

n. ap. = not applicable

PMCC = Pensky Martens Closed Cup

TWA = Time Weighted Average

LC = Lethal Concentration

ppm = parts per million

TCC = Tagliabue Closed Cup

STEL = Short Term Exposure Limit

CS = centistokes