



MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Data

Product name Microban Disinfectant Spray Plus	
Manufacturer: II Rep-Z, Inc. 4660 Elizabeth St. Coraopolis, PA 15108 Telephone: 1-412-264-8340	Supplier:

2. Hazardous Ingredients

Name	CAS #	UN #	% by volume
2-Propanol	67-63-0		5-10

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

If inhaled: Remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

If swallowed: Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol. Get medical attention.

If in eyes or on skin: Immediately flush with plenty of water. Get medical attention if irritation persists.

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

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

7. Handling & Storage

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

8. Exposure Controls & Personal Protection

Personal Protective Equipment			
Gloves	natural rubber	Respirator	NIOSH TC-23C for organic vapors or equivalent
		Eye	goggles
Footwear	n. ap.	Clothing	coveralls or equivalent
		Other	n. ap.
Exposure Guidelines			
* none established for product *			
	OSHA	ACGIH	
	TWA	STEL	TWA
2-Propanol	400 ppm	500 ppm	400 ppm
			STEL
			500 ppm

Microban Disinfectant Spray Plus

9. Physical & Chemical Properties

Physical state liquid	Odor and appearance milky white liquid, mint odor	
Odor threshold (ppm) n. av.	Vapor pressure (mm Hg) n. av.	Vapor density (Air=1) n. av.
Evaporation rate (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 & 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 this product			
Carcinogenicity no	Mutagenicity no	Teratogenicity no	Reproductive toxicity no
Synergistic products no	Sensitization no	Neurotoxicity no	Target organs skin and eyes

12. Ecological Information

n. av.

Microban Disinfectant Spray Plus

13. Disposal Considerations

Do not dispose of product in storm or sanitary sewer systems.
Do not allow discharge into groundwater or a watercourse.
If product is to be disposed of, contact a licensed or registered waste disposal firm to incinerate the product.

14. Transport Information

Shipping name NOT REGULATED

Hazard class

UN Identification #

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.

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.).

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

WHMIS classification **D2B**

This product is not subject to the reporting requirements 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 used as a commercial sanitizer and deodorizer.

For chemical emergency during transportation call INFOTRAC (US) **1-800-535-5053** (INT'L) **1-352-323-3500**

Prepared by: II Rep-Z, Inc., Coraopolis, PA / Cliff Zlotnik

Phone No: 1-412-264-8340

Date October 12, 2004

abbreviations

n. av. = not available n. ap. = not applicable ppm = parts per million mm Hg = millimeters of Mercury
cs = centistokes PMCC = Pensky Martens Closed Cup TCC = Tagliabue Closed Cup COC = Cleveland Open Cup
TWA = time weighted average STEL = short term exposure limit LD= lethal dose LC=lethal concentration