



Expect Service

Radiation Products Design Inc

SAFETY DATA SHEET

RPD INFORMATION

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Website	www.rpdinc.com
Email	sales@rpdinc.com
Phone	763-497-2071 or 800-497-2071
Fax	763-497-2295

RAW MATERIAL INFORMATION

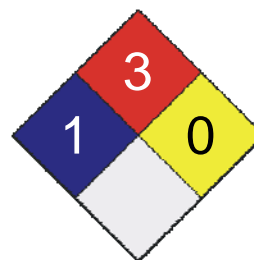
Sani-Bloth Plus Germicidal Disposable Cloth

1. Product and Company Identification

Product Name Sani-Cloth Plus Germicidal Disposable Cloth **MSDS No.** MSDS0002
CAS # Mixture
Product use Disinfectant
Manufacturer Professional Disposables International, Inc.
 Two Nice-Pak Park
 Orangeburg, NY 10962-1376
 Phone (USA) 1-845-365-1700 (M-F 8am - 5pm)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	3
Physical Hazard	0
Personal Protection	



2. Hazards Identification

Emergency overview CAUTION
 Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet.

Potential short term health effects

Routes of exposure Eye. Skin absorption.
Eyes Causes moderate eye irritation.
Skin None expected under normal use.

Inhalation Not a normal route of exposure.
Ingestion Not a normal route of exposure.

Chronic effects This product may be harmful if it is absorbed through the skin. Prolonged or repeated dermal exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Isopropanol	67-63-0	10 - 20
Ethanol, 2-butoxy-	111-76-2	1 - 4
Benzyl-C12-18-alkyldimethyl ammonium chlorides	68391-01-5	< 0.125
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	68956-79-6	< 0.125

4. First Aid Measures

First aid procedures

Eye contact 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.

Skin contact If irritation develops, call a physician.

Inhalation Not a normal route of exposure.

Ingestion Not a normal route of exposure.

Notes to physician	None known.
General advice	Wear suitable protective clothing as needed. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties	Combustible.
Extinguishing media	
Suitable extinguishing media	Alcohol foam. Water spray or fog.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Wear appropriate protective equipment and clothing during clean-up.
Methods for containment	Not applicable.
Methods for cleaning up	Pick up and discard towel.

7. Handling and Storage

Handling	Use according to package label instructions. Do not use or store near heat or open flame.
Storage	Keep out of reach of children. Keep away from heat, open flames or other sources of ignition. Store in a closed container away from incompatible materials. Do not contaminate water, food or feed by storage and disposal.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Benzyl-C12-18-alkyldimethyl ammonium chlorides	ACGIH-TLV Not established OSHA-PEL Not established
Ethanol, 2-butoxy-	ACGIH-TLV TWA: 20 ppm OSHA-PEL TWA: 50 ppm (skin)
Isopropanol	ACGIH-TLV TWA: 200 ppm STEL: 400 ppm OSHA-PEL TWA: 400 ppm
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	ACGIH-TLV Not established OSHA-PEL Not established
Engineering controls	General ventilation normally adequate.

Personal protective equipment**Eye / face protection**

Not needed under normal use conditions.
Follow label directions carefully.
Wear gear as needed.

Hand protection

Not usually needed.
Follow label directions carefully.

Skin and body protection

Not normally necessary.
When handling HIV-1, HBV or HCV infected blood or body fluids follow special directions on label.

Respiratory protection

If exposure guideline levels are exceeded, use an approved NIOSH respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance	Clear. Liquid saturated on wipe
Color	Colorless liquid on a towel material.
Form	Pre-moistened towelette.
Odor	Mild alcohol.
Odor threshold	Not available
Physical state	Solid
pH	11 - 12 (liquid)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	95 °F (35.00 °C) (Liquid) Tag Closed Cup
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.97 (Liquid) (H ₂ O = 1)
Octanol/water coefficient	Not available
Solubility (H₂O)	Towel is not soluble in water
Auto-ignition temperature	Not available
Viscosity	Not available

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals. REUSE IN FUTURE
Incompatible materials	Oxidizing agents. Anionic surfactants. Soaps. Bleach solutions. Do not use on natural marble, windows, unpainted wood or brass, clear plastic or colored grout.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Benzyl-C12-18-alkyldimethyl ammonium chlorides	Not available
Ethanol, 2-butoxy-	2.21 mg/l/4h rat
Isopropanol	16970 mg/l/4h rat
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Benzyl-C12-18-alkyldimethyl ammonium chlorides	240 mg/kg rat
Ethanol, 2-butoxy-	470 mg/kg rat; 320 mg/kg rabbit
Isopropanol	4396 mg/kg rat
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	250 mg/kg rat

Effects of acute exposure

Eye	Causes moderate eye irritation (with direct liquid contact).
Skin	None expected under normal use.

Inhalation Not a normal route of exposure.

Ingestion Not a normal route of exposure.

Sensitization Non-hazardous by OSHA criteria.

Chronic effects Non-hazardous by OSHA criteria.

Carcinogenicity Non-hazardous by OSHA criteria.

ACGIH - Threshold Limit Values - Carcinogens

Ethanol, 2-butoxy-	111-76-2	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Isopropanol	67-63-0	A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)

Ethanol, 2-butoxy-	111-76-2	Monograph 88 [2006]
Isopropanol	67-63-0	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]

Mutagenicity Non-hazardous by OSHA criteria.

Reproductive effects Non-hazardous by OSHA criteria.

Teratogenicity Non-hazardous by OSHA criteria.

Synergistic Materials Not available

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Algae Data

Isopropanol	67-63-0	96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L
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Ecotoxicity - Freshwater Fish Species Data

Ethanol, 2-butoxy-	111-76-2	96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L
Isopropanol	67-63-0	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L

Ecotoxicity - Water Flea Data

Ethanol, 2-butoxy-	111-76-2	24 Hr EC50 Daphnia magna: 1698 - 1940 mg/L; 48 Hr EC50 Daphnia magna: >1000 mg/L
Isopropanol	67-63-0	48 Hr EC50 Daphnia magna: 13299 mg/L

Environmental effects Not available

Aquatic toxicity Not available

Persistence / degradability Not available

Bioaccumulation / accumulation Not available

Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Review federal, provincial, and local government requirements prior to disposal. Dispose of used towelette in accordance with local regulations for infectious waste disposal.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

DOT Not regulated [per 49 CFR 173.150(c)].

15. Regulatory Information

US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. EPA Registration No. - 9480-6
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U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Ethanol, 2-butoxy-	111-76-2	1 Lb statutory RQ
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Ethanol, 2-butoxy-	111-76-2	1.0 Percent de minimis concentration
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Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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Clean Air Act (CAA)	Not available
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Clean Water Act (CWA)	Not available
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State regulations

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Ethanol, 2-butoxy-	111-76-2	Present
Isopropanol	67-63-0	Present

U.S. - Massachusetts - Right To Know List

Ethanol, 2-butoxy-	111-76-2	Present
Isopropanol	67-63-0	Present

U.S. - Minnesota - Hazardous Substance List

Ethanol, 2-butoxy-	111-76-2	Skin
Isopropanol	67-63-0	Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol, 2-butoxy-	111-76-2	sn 0275
Isopropanol	67-63-0	sn 1076

U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol, 2-butoxy-	111-76-2	Present
Isopropanol	67-63-0	Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Ethanol, 2-butoxy-	111-76-2	Toxic (skin)
Isopropanol	67-63-0	Toxic; Flammable

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Recommended use

Cleaner

Further information

Caution: Keep out of reach of children. Avoid contact with eyes and skin. Not for use on skin. Not a baby wipe. For use on hard surfaces only. Do not use on natural marble, windows, unpainted wood, brass, clear plastic or coloured grout.

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Prepared by

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