

### MATERIAL SAFETY DATA SHEET



## 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.

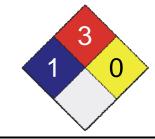
Two Nice-Pak Park

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





### 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.

InhalationNot a normal route of exposure.IngestionNot 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 contactIf irritation develops, call a physician.InhalationNot a normal route of exposure.IngestionNot 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** Alcohol foam. Water spray or fog. Suitable extinguishing media Not available Unsuitable extinguishing media Protection of firefighters Not available Specific hazards arising from the chemical Protective equipment for Firefighters should wear full protective clothing including self contained breathing firefighters 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 Wear appropriate protective equipment and clothing during clean-up. **Personal precautions** Not applicable. Methods for containment 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 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

General ventilation normally adequate.

Quaternary ammonium compounds, C12-18-alkyl

[(ethylphenyl) methyl] dimethyl, chlorides

**Engineering controls** 

**ACGIH-TLV** 

Not established **OSHA-PEL** Not established Personal protective equipment

Hand protection

**Eye / face protection** Not needed under normal use conditions.

Follow label directions carefully.

Wear gear as needed. 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 Flammability limits in air, lower, %

by volume

Not available Not applicable

Flammability limits in air, upper, %

by volume

Not applicable

Vapor pressureNot availableVapor densityNot available

Specific gravity 0.97 (Liquid) (H2O = 1)

Octanol/water coefficient Not available

Solubility (H2O) Towel is not soluble in water

Auto-ignition temperatureNot availableViscosityNot 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 Info	rmation
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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.

InhalationNot a normal route of exposure.IngestionNot a normal route of exposure.SensitizationNon-hazardous by OSHA criteria.Chronic effectsNon-hazardous by OSHA criteria.CarcinogenicityNon-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]

MutagenicityNon-hazardous by OSHA criteria.Reproductive effectsNon-hazardous by OSHA criteria.TeratogenicityNon-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

**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

Aquatic toxicity

Persistence / degradability

Bioaccumulation / accumulation

Not available

Not available

Partition coefficientNot availableMobility in environmental mediaNot availableChemical fate informationNot 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

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Ethanol, 2-butoxy- 111-76-2 1 Lb statutory RQ

### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Ethanol, 2-butoxy- 111-76-2 1.0 Percent de minimis concentration

#### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous Yes

chemical

**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

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available
Clean Water Act (CWA) Not available

#15551 Page 5 of 6 Issue date 07-Jun-2010

#### 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 regionInventory nameOn inventory (yes/no)\*United States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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 Dell Tech Laboratories Ltd. (519) 858-5021