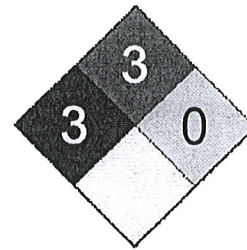


## 1. Product and Company Identification

<b>Product Name</b>	<b>Super Sani-Cloth® Germicidal Disposable Wipes</b>	<b>MSDS0019B</b>
<b>CAS #</b>	Mixture	
<b>Product use</b>	Disinfectant Cleaner	
<b>Manufacturer</b>	Professional Disposables International, Inc. Two Nice-Pak Park Orangeburg, NY 10962-1376 or Distributed by: Professional Disposables International Ltd, Ontario CA Phone (USA) 1-845-365-1700 (M-F 8am - 5pm) Phone (CANADA) 1-800-263-7067	

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

Health	/ 3
Flammability	3
Physical Hazard	0
Personal Protection	A



## 2. Hazards Identification

<b>Emergency overview</b>	DANGER COMBUSTIBLE Causes irreversible eye damage. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Eyes</b>	The product produced eye irritation clearing in 7 days or less.
<b>Skin</b>	Under the conditions of the study, no dermal irritation was evident at 72 hours.
<b>Inhalation</b>	Not a normal route of exposure. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Target organs</b>	Eyes. Respiratory system. Skin.
<b>Chronic effects</b>	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
<b>Signs and symptoms</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Isopropanol	67-63-0	30 - 60
Benzyl-C12-18-alkyldimethyl ammonium chlorides	68391-01-5	0.25
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	68956-79-6	0.25

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	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.

<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Flammable per ICAO Test Method 1.1.2.1
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Carbon dioxide. Alcohol foam. Dry chemical.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
<b>Other information</b>	Pick up and discard towel.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials. Store in a closed container away from incompatible materials.

## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Benzyl-C12-18-alkyldimethyl ammonium chlorides	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Isopropanol	<b>ACGIH-TLV</b> TWA: 200 ppm STEL: 400 ppm <b>OSHA-PEL</b> TWA: 400 ppm
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Wear safety glasses with side shields.

#### Hand protection

Rubber gloves. Confirm with a reputable supplier first.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

Where exposure guideline levels may be 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
Form	Pre-moistened towelette.
Odor	Alcohol
Odor threshold	Not available
Physical state	Solid
pH	6.25 - 8.5 (Liquid)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	23.88 °C (75 °F) (Towel) (ASTM D56) Tag Closed Cup
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.892 (Liquid)
Octanol/water coefficient	Not available
Solubility (H2O)	Wipe is not soluble
Auto-ignition temperature	Not available
VOC (Weight %)	> 50 %

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## 10. Stability and Reactivity

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<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures. Do not mix with other chemicals.
<b>Incompatible materials</b>	Oxidizers. Anionic surfactants.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

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## 11. Toxicological Information

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<b>Acute effects</b>	Acute LD50: 5000 mg/kg, Rat, Oral Acute LD50: 2000 mg/kg, Rat, Dermal
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### Component analysis - LC50

Ingredient(s)	LC50
Benzyl-C12-18-alkyldimethyl ammonium chlorides	Not available
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
Isopropanol	4396 mg/kg rat
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	250 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	The product produced eye irritation clearing in 7 days or less.
<b>Skin</b>	Under the conditions of the study, no dermal irritation was evident at 72 hours.
<b>Inhalation</b>	Not a normal route of exposure. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by OSHA criteria.
<b>Chronic effects</b>	Non-hazardous by OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by OSHA criteria.
<b>ACGIH - Threshold Limit Values - Carcinogens</b>	
Isopropanol 67-63-0	A4 - Not Classifiable as a Human Carcinogen
<b>IARC - Group 3 (Not Classifiable)</b>	
Isopropanol 67-63-0	Monograph 71 [1999], Supplement 7 [1987], Monograph 15 [1977]
<b>Mutagenicity</b>	Non-hazardous by OSHA criteria.
<b>Reproductive effects</b>	Non-hazardous by OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by OSHA criteria.

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Components of this product have been identified as having potential environmental concerns.
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### Ecotoxicity - Freshwater Algae Data

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

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
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### Ecotoxicity - Microtox Data

Isopropanol 67-63-0	5 Min EC50 Photobacterium phosphoreum: 35390 mg/L
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### Ecotoxicity - Water Flea Data

Isopropanol 67-63-0	48 Hr EC50 Daphnia magna: 13299 mg/L
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<b>Environmental effects</b>	Not available
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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

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### 13. Disposal Considerations

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Waste codes	Not available
Disposal instructions	This material, as supplied and used, is a hazardous waste according to Federal regulations (40 CFR 261). Consult the appropriate state, regional, or local regulations for additional requirements. Discard after single use.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

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### 14. Transport Information

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#### U.S. Department of Transportation (DOT)

CONSUMER COMMODITY ORM-D - Exception H sized packets are not regulated by DOT per small quantity exemption.

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### 15. Regulatory Information

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**US Federal regulations** EPA registration number 9480-4 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.

CERCLA/SARA Hazardous Substances - Not applicable.

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

Isopropanol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
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#### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

#### 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

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Isopropanol 67-63-0 Present

**U.S. - Massachusetts - Right To Know List**

Isopropanol 67-63-0 Present

**U.S. - Minnesota - Hazardous Substance List**

Isopropanol 67-63-0 Present

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

Isopropanol 67-63-0 sn 1076

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

Isopropanol 67-63-0 Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

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)

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## 16. Other Information

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**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**

For external use only.

**Further information**

Caution: Keep out of reach of children. Not for use on skin. Not a baby wipe. For use on hard surfaces only.

**Issue date**

15-Jul-2009

**Effective date**

15-Jul-2009

**Prepared by**

Dell Tech Laboratories Ltd. (519) 858-5021

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.