

## 1. Product and Company Identification

|                     |  |          |
|---------------------|--|----------|
| <b>Product Name</b> | Super Sani-Cloth® Germicidal Disposable Wipes  | MSDS0020 |
| <b>CAS #</b>        | Mixture  |          |
| <b>Product use</b>  | Germicidal Cleaner   |          |
| <b>Manufacturer</b> | Professional Disposables International, Inc.<br>Two Nice-Pak Park<br>Orangeburg, NY 10962-1376<br>Phone (USA) 1-845-365-1700 (M-F 8am - 5pm) |          |

## 2. Hazards Identification

|  |  |
|--|--|
| <b>Emergency overview</b>                  | <p>PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.</p> <p><b>DANGER</b><br/>Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using restroom. Remove and wash contaminated clothing before reuse.</p> <p><b>PHYSICAL OR CHEMICAL HAZARD: COMBUSTIBLE</b><br/>Do not use or store near heat or open flame.<br/>Do not use on natural marble, windows, unpainted wood, brass, clear plastics or colored grout.</p> |
| <b>Potential short term health effects</b> |  |
| <b>Routes of exposure</b>                  | Eye, Skin contact.   |
| <b>Eyes</b>                                | The product caused irreversible eye damage.  |
| <b>Skin</b>                                | Under the conditions of the study, moderate irritation was evident at 72 hours.  |
| <b>Inhalation</b>                          | Not a normal route of exposure.  |
| <b>Ingestion</b>                           | Not a normal route of exposure.  |
| <b>Target organs</b>                       | Eyes. 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.   |
| <b>OSHA Regulatory Status</b>              | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.   |
| <b>Potential environmental effects</b>     | See section 12.  |

## 3. Composition / Information on Ingredients

| Ingredient(s)  | CAS #      | Percent |
|--|------------|---------|
| Isopropanol  | 67-63-0    | 30 - 60 |
| Benzyl-C12-18-alkyldimethyl ammonium chlorides   | 68391-01-5 | 0.1 - 1 |
| Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides | 68956-79-6 | 0.1 - 1 |

## 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.  |
| <b>Skin contact</b>         | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.  |
| <b>Inhalation</b>           | Not a normal route of exposure. If symptoms develop move victim to fresh air.   |
| <b>Ingestion</b>            | Not a normal route of exposure. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. |
| <b>Notes to physician</b>   | Treat patient symptomatically.  |

**General advice**

Avoid contact with eyes and skin. Keep out of reach of children. Follow label directions carefully.

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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>      | Avoid excessive skin contact.  |
| <b>Environmental precautions</b> | Do not discharge into lakes, streams, ponds or public waters.                                |
| <b>Methods for containment</b>   | Not applicable.  |
| <b>Methods for cleaning up</b>   | Pick up towels and discard in trash. Wipe or mop up liquid, if any, and dispose of properly. |
| <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.<br>When using do not eat or drink.<br>Wash hands before breaks and immediately after handling the product.  |
| <b>Storage</b>  | Keep out of reach of children.<br>Do not contaminate water, food or feed by storage or disposal.<br>Store in a closed container away from incompatible materials.<br><br>Do not use or store near heat or open flame.<br>When not in use keep center cap of lid closed to prevent moisture loss.<br><br>It is a violation of Federal law to use this product in a manner inconsistent with its labeling. |

## 8. Exposure Controls / Personal Protection

### Exposure limits

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

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Wear gear as deemed necessary. Follow label directions.

#### Hand protection

Wear as deemed necessary, follow label directions.

#### Skin and body protection

Follow label directions carefully.

#### 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

|   |  |
|---|--|
| <b>Appearance</b>                                     | Clear Liquid saturated on wipe                 |
| <b>Color</b>  | Colorless liquid                               |
| <b>Form</b>   | Pre-moistened towelette.                       |
| <b>Odor</b>   | Alcohol  |
| <b>Odor threshold</b>                                 | Not available                                  |
| <b>Physical state</b>                                 | Solid  |
| <b>pH</b>   | 6.25 - 8.5 (Liquid)                            |
| <b>Freezing point</b>                                 | Not available                                  |
| <b>Boiling point</b>                                  | Not available                                  |
| <b>Pour point</b>                                     | Not available                                  |
| <b>Evaporation rate</b>                               | Not available                                  |
| <b>Flash point</b>                                    | 75°F (23.9°C)(Towel) (ASTM D56) Tag Closed Cup |
| <b>Auto-ignition temperature</b>                      | Not available                                  |
| <b>Flammability limits in air, lower, % by volume</b> | Not available                                  |
| <b>Flammability limits in air, upper, % by volume</b> | Not applicable                                 |
| <b>Vapor pressure</b>                                 | Not available                                  |
| <b>Vapor density</b>                                  | Not available                                  |
| <b>Specific gravity</b>                               | 0.892 (Liquid)                                 |
| <b>Octanol/water coefficient</b>                      | Not available                                  |
| <b>Solubility (H2O)</b>                               | Wipe is not soluble                            |
| <b>VOC (Weight %)</b>                                 | > 50 %   |

## 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | This product may react with strong oxidizing agents.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.   |
| <b>Conditions to avoid</b>                | Avoid high temperatures. Do not mix with other chemicals. Do not use or store near heat or open flame. |
| <b>Incompatible materials</b>             | Oxidizers. Anionic surfactants.  |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon.  |

## 11. Toxicological Information

|                      |  |
|----------------------|--|
| <b>Acute effects</b> | Acute LD50: >5000 mg/kg, Rabbit, Dermal<br>Acute LD50: > 5000 mg/kg, Rat, Oral |
|----------------------|--|

### 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 caused irreversible eye damage.                                     |
| <b>Skin</b>            | Under the conditions of the study, moderate irritation was evident at 72 hours. |
| <b>Inhalation</b>      | Not a normal route of exposure.   |
| <b>Ingestion</b>       | Not a normal route of exposure.   |
| <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.   |

#### ACGIH - Threshold Limit Values - Carcinogens

Isopropanol 67-63-0 A4 - Not Classifiable as a Human Carcinogen

#### IARC - Group 3 (Not Classifiable)

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.

**Name of Toxicologically Synergistic Products** Not available

## 12. Ecological Information

|   |  |
|---|--|
| <b>Ecotoxicity</b>  | See below  |
| <b>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</b> |  |
| Isopropanol 67-63-0   | 96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L   |
| <b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>  |  |
| 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 |
| <b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>       |  |
| Isopropanol 67-63-0   | 48 Hr EC50 Daphnia magna: 13299 mg/L   |
| <b>Persistence / degradability</b>                          | Not available  |
| <b>Bioaccumulation / accumulation</b>                       | Not available  |

|  |               |
|--|---------------|
| <b>Mobility in environmental media</b> | Not available |
| <b>Environmental effects</b>           | Not available |
| <b>Aquatic toxicity</b>                | Not available |
| <b>Partition coefficient</b>           | Not available |
| <b>Chemical fate information</b>       | Not available |

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## 13. Disposal Considerations

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| <b>Disposal instructions</b>                 | Consult the appropriate state, regional, or local regulations for additional requirements. Discard after single use. IF EMPTY: Nonrefillable container. Do not reuse or refill the container. Offer for recycling, if available. |
| <b>Waste from residues / unused products</b> | Not available  |
| <b>Contaminated packaging</b>                | 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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### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical**      Yes

**US Federal regulations**      This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
EPA registration number 9480-4

#### 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) |
|-------------|---------|--|

### 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**

United States &amp; Puerto Rico

**Inventory name**

Toxic Substances Control Act (TSCA) Inventory

**On inventory (yes/no)\***

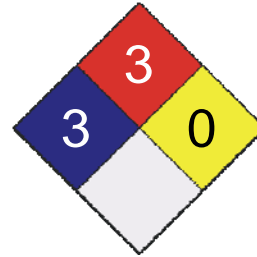
Yes

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

**16. Other Information**

| LEGEND<br>HMIS/NFPA |   |
|---------------------|---|
| Severe              | 4 |
| Serious             | 3 |
| Moderate            | 2 |
| Slight              | 1 |
| Minimal             | 0 |

|                     |     |
|---------------------|-----|
| Health              | / 3 |
| Flammability        | 3   |
| Physical Hazard     | 0   |
| Personal Protection | A   |

**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**

Danger: Keep out of reach of children.

Not a baby wipe.

Not for use on skin.

For use on hard, nonporous surfaces only.

**Issue date**

24-Aug-2012

**Effective date**

15-Aug-2012

**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.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.