1. Product and Company Identification

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

LEGEND
HMIS/NFPA

<table>
<thead>
<tr>
<th>Severe</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious</td>
<td>3</td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview
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.

Potential short term health effects

Routes of exposure

- Eyes: The product produced eye irritation clearing in 7 days or less.
- Skin: Under the conditions of the study, no dermal irritation was evident at 72 hours.
- Inhalation: Not a normal route of exposure. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
- Ingestion: Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Target organs
- Eyes. Respiratory system. Skin.

Chronic effects
Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms
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

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

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
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.

Inhalation
Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion
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.

Notes to physician
Symptoms may be delayed.

General advice
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.

5. Fire Fighting Measures

Flammable properties
Flammable per ICAO Test Method 1.1.2.1

Extinguishing media

Suitable extinguishing media
Carbon dioxide. Alcohol foam. Dry chemical.

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire.

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
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.

Methods for containment
Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
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.

Other information
Pick up and discard towel.

7. Handling and Storage

Handling
Use good industrial hygiene practices in handling this material.

Storage
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

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

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear. Liquid saturated on wipe</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Pre-moistened towelette.</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>pH</td>
<td>6.25 - 8.5 (Liquid)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>23.88 °C (75 °F) (Towel) (ASTM D56) Tag Closed Cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.892 (Liquid)</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Wipe is not soluble</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC (Weight %)</td>
<td>&gt; 50 %</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Avoid high temperatures. Do not mix with other chemicals.

Incompatible materials
Oxidizers. Anionic surfactants.

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

Acute effects
Acute LD50: 5000 mg/kg, Rat, Oral
Acute LD50: 2000 mg/kg, Rat, Dermal

Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl-C12-18-alkyldimethyl ammonium chlorides</td>
<td>Not available</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>16970 mg/l/4h rat</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl-C12-18-alkyldimethyl ammonium chlorides</td>
<td>240 mg/kg rat</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>4396 mg/kg rat</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides</td>
<td>250 mg/kg rat</td>
</tr>
</tbody>
</table>

Effects of acute exposure

Eye
The product produced eye irritation clearing in 7 days or less.

Skin
Under the conditions of the study, no dermal irritation was evident at 72 hours.

Inhalation
Not a normal route of exposure. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion
Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Sensitization
Non-hazardous by OSHA criteria.

Chronic effects
Non-hazardous by OSHA criteria.

Carcinogenicity
Non-hazardous by OSHA criteria.

ACGIH - Threshold Limit Values - Carcinogens

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0 A4 - Not Classifiable as a Human Carcinogen</td>
</tr>
</tbody>
</table>

IARC - Group 3 (Not Classifiable)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>Monograph 71 [1999], Supplement 7 [1987], Monograph 15 [1977]</td>
</tr>
</tbody>
</table>

Mutagenicity
Non-hazardous by OSHA criteria.

Reproductive effects
Non-hazardous by OSHA criteria.

Teratogenicity
Non-hazardous by OSHA criteria.

12. Ecological Information

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

Ecotoxicity - Freshwater Algae Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

Ecotoxicity - Freshwater Fish Species Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

Ecotoxicity - Microtox Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

Ecotoxicity - Water Flea Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
</tr>
</tbody>
</table>

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**: 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

### 14. Transport Information

**U.S. Department of Transportation (DOT)**
CONSUMER COMMODITY ORM-D - Exception H sized packets are not regulated by DOT per small quantity exemption.

### 15. Regulatory Information

**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)

**Occupational Safety and Health Administration (OSHA)**
29 CFR 1910.1200 hazardous 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
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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

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.