SAFETY DATA SHEET

1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>Sani-Hands Instant Hand Sanitizing Wipes</th>
<th>SDS 0098-00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Recommended use</td>
<td>Antiseptic</td>
<td></td>
</tr>
<tr>
<td>Recommended restrictions</td>
<td>None known.</td>
<td></td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Professional Disposables International, Inc. Two Nice-Pak Park, Orangeburg, NY 10962-1376 or Distributed By: Professional Disposables International, LTD Vaughan, Ontario L4L 4K9 Canada</td>
<td></td>
</tr>
<tr>
<td>Phone:</td>
<td>(USA) 1-845-365-1700 (M-F 9am - 5pm)</td>
<td>1-800-263-7067</td>
</tr>
<tr>
<td>Emergency Phone:</td>
<td>1-800-999-6423</td>
<td></td>
</tr>
</tbody>
</table>

2. Hazards Identification

| Physical hazards | Flammable solids | Category 1 |
| Health hazards | Serious eye damage/eye irritation | Category 2A |
| Environmental hazards | Not determined | |
| OSHA defined hazards | None additional | |

Label elements

Signal word: Danger
Hazard statement: Flammable solid. Causes serious eye irritation.

Precautionary statement

Prevention: Keep away from fire or flame. Keep container closed.
Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish.

Storage: Store in a well-ventilated place. Keep container closed.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: Not applicable.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alcohol</td>
<td></td>
<td>64-17-5</td>
<td>40 - 70</td>
</tr>
<tr>
<td></td>
<td>Propylene glycol</td>
<td></td>
<td>57-55-6</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Composition comments: The exact % concentration of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA HCS 1910.1200. All concentrations are expressed as % weight.

4. First Aid Measures

Inhalation: If inhaled for a prolonged period of time, remove person to fresh air and keep comfortable for breathing.
Skin contact: Discontinue use if irritation and redness develop. If condition persists for more than 72 hours, consult a physician.

Eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: If swallowed, get medical help or contact a Poison Control Center immediately.

Most important symptoms/effects, acute and delayed: Symptoms may include stinging, tearing, redness, swelling of the eyes, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Indication of immediate medical attention and special treatment needed: Treat patient symptomatically.

General information: If you feel unwell, seek medical advice (show the label where possible). Have the product container or label with you when calling a poison control center or doctor, or going for treatment. 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. Keep away from sources of ignition. No smoking. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media: Dry chemical. Carbon dioxide. Foam.

Unsuitable extinguishing media: Do not use water jet.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.

Special protective equipment and precautions for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: Flammable solid.

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, protective equipment and emergency procedures: Wear appropriate protective equipment and clothing during clean-up. Avoid contact with eyes. Ventilate closed spaces before entering them. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering waterways. Contact emergency services and supplier for advice.

Environmental precautions: Do not discharge into waterways.

7. Handling and Storage

Precautions for safe handling: WARNING: Flammable. Keep away from fire or flame. Do not use in contact with eyes. For external use only.

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid prolonged exposure. Keep container closed. Use according to package label instructions.
Conditions for safe storage, including any incompatibilities

Store in a cool, dry place out of direct sunlight.
Store in a closed container away from incompatible materials.
Store in a well-ventilated place.
Keep away from heat, open flames or other sources of ignition.
Store away from incompatible materials (see Section 10 of the SDS).
Keep this out of reach of children unless under adult supervision.

8. Exposure Controls/Personal Protection

Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol (CAS 64-17-5)</td>
<td>PEL</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol (CAS 64-17-5)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol (CAS 64-17-5)</td>
<td>TWA</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

**US. AIHA Workplace Environmental Exposure Level (WEEL) Guides**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol (CAS 57-55-6)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Aerosol</td>
</tr>
</tbody>
</table>

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

See above

**Appropriate engineering controls**

General ventilation normally adequate. Provide eyewash station.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear gear as deemed necessary. Follow label directions.

**Skin protection**

**Hand protection**

Not required.

**Other**

As required by employer code.

Follow label directions carefully.

**Respiratory protection**

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear positive pressure self-contained breathing apparatus (SCBA).

**Thermal hazards**

Not applicable.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. When using do not smoke.

9. Physical and Chemical Properties

**Appearance**

Liquid saturated on wipe

**Physical state**

Solid.

**Form**

Liquid saturated on wipe

**Color**

Colorless

**Odor**

Alcohol

**Odor threshold**

Not available.

**pH**

7.5

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Pour point**

Not available.

**Specific gravity**

0.883 (Liquid)

**Partition coefficient (n-octanol/water)**

Not available.
Flash point 71.6 °F (22.0 °C) Tag Closed Cup (Liquid)
Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits
  Flammability limit - lower (%) Not available.
  Flammability limit - upper (%) Not available.
  Explosive limit - lower (%) Not available.
  Explosive limit - upper (%) Not available.
Vapor pressure Not available.
Vapor density Not available.
Relative density Not available.
Solubility(ies) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.
Other information
  Flash point class Combustible II

10. Stability and Reactivity
Reactivity This product may react with strong oxidizing agents.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Chemical stability Stable under recommended storage conditions.
Conditions to avoid Do not mix with other chemicals.
Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials Strong oxidizing agents. Oxidizers.
Hazardous decomposition products May include and are not limited to: Oxides of carbon.

11. Toxicological Information
Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Information on likely routes of exposure
  Ingestion Expected to be a low ingestion hazard.
  Inhalation Prolonged inhalation may be harmful. May cause irritation to the respiratory system.
  Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
  Skin contact Non-irritating based on test data.
  Eye contact May be irritating to eyes.
Symptoms related to the physical, chemical and toxicological characteristics
  Symptoms may include stinging, tearing, redness, swelling of the eyes, and blurred vision.
  Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Information on toxicological effects
Acute toxicity Narcotic effects. May cause respiratory irritation.
  Toxicity data in this section is based on individual component information and not based on the finished product.
Components Species Test Results
Alcohol (CAS 64-17-5)
  Acute
  Dermal Not available
  LD50
  Inhalation
  LC50
  Mouse 39 mg/l, 4 Hours
  Rat 31623 ppm, 4 Hours
  20000 ppm, 10 Hours
Components

Oral
LD50

Species

Dog
Guinea pig
Mouse
Rat

Test Results

5500 mg/kg
5600 mg/kg
3450 mg/kg
7060 mg/kg

Propylene glycol (CAS 57-55-6)

Acute

Dermal
LD50

Species

Test Results

Rabbit
20800 mg/kg

Inhalation

LC50

Not available

Oral

LD50

Species

Test Results

Dog
19000 mg/kg
Guinea pig
184000 mg/kg
Mouse
23900 mg/kg
Rabbit
14800 mg/kg
Rat
20000 mg/kg

Skin corrosion/irritation

Non-irritating based on test data.

Exposure minutes

Not available.

Erythema value

Not available.

Oedema value

Not available.

Serious eye damage/eye irritation

May cause irritation.

Corneal opacity value

Not available.

Iris lesion value

Not available.

Conjunctival reddening value

Not available.

Conjunctival oedema value

Not available.

Recover days

Not available.

Respiratory or skin sensitization

Not classified.

Respiratory sensitization

Not classified.

Skin sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

The finished product is not expected to have chronic health effects.

Mutagenicity

The finished product is not expected to have chronic health effects.

Carcinogenicity

The finished product is not expected to have chronic health effects.

Reproductive toxicity

The finished product is not expected to have chronic health effects.

Teratogenicity

The finished product is not expected to have chronic health effects.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not classified.

Chronic effects

The finished product is not expected to have chronic health effects.

Further information

Not available.

Name of Toxicologically Synergistic Products

Not available.

12. Ecological Information

Ecotoxicity

See below

Components

Alcohol (CAS 64-17-5)

Species

Crustacea

Test Results

EC50

Daphnia

11744.5 mg/L, 48 Hours
Components
Aquatic
Crustacea EC50 Water flea (Daphnia magna) 7.7 - 11.2 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours

Propylene glycol (CAS 57-55-6)
Crustacea EC50 Daphnia 10000 mg/L, 48 Hours

Aquatic
Crustacea EC50 Water flea (Daphnia magna) > 10000 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 710 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential No data available.
Mobility in soil No data available.
Mobility in general Not available.
Other adverse effects Not available.

13. Disposal Considerations

Disposal instructions Review federal, state/provincial, and local government requirements prior to disposal. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations See above
Hazardous waste code Not assigned.
Waste from residues / unused products Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

U.S. Department of Transportation (DOT)
Basic shipping requirements:
UN number UN3175
Proper shipping name Solids containing flammable liquid, n.o.s. (Alcohol)
Hazard class 4.1
Packing group II
Packaging exceptions <1kg - limited quantity (par. 173.151)
Note: Individually wrapped packet product is exempted from DOT regulation per Special Provision 47.

Transportation of Dangerous Goods (TDG - Canada)
Basic shipping requirements:
UN number UN3175
Proper shipping name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Alcohol)
Hazard class 4.1
Packing group II
Packaging exceptions <1Kg-Limited Quantity

DOT; TDG

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/identification number
Alcohol (CAS 64-17-5) 1 TONNES
Canada WHMIS Ingredient Disclosure: Threshold limits

Alcohol (CAS 64-17-5) 0.1 %
Propylene glycol (CAS 57-55-6) 1 %

WHMIS classification
Exempt - Notified cosmetic under the Food & Drugs Act

US federal regulations
This product contains a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance
Alcohol (CAS 64-17-5) Listed.
Propylene glycol (CAS 57-55-6) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

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

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Safe Drinking Water Act (SDWA)
Not regulated.

Food and Drug Administration (FDA)
Regulated as a monograph drug product.

US state regulations
See below

US - California Hazardous Substances (Director's): Listed substance
Alcohol (CAS 64-17-5) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Not listed.

Alcohol (CAS 64-17-5) Listed.

US - Louisiana Spill Reporting: Listed substance
Alcohol (CAS 64-17-5) Listed.

US - Minnesota Haz Subs: Listed substance
Alcohol (CAS 64-17-5) Listed.
Propylene glycol (CAS 57-55-6) Listed.

US - New Jersey RTK - Substances: Listed substance
Alcohol (CAS 64-17-5) Listed.
Propylene glycol (CAS 57-55-6) Listed.

US - Texas Effects Screening Levels: Listed substance
Alcohol (CAS 64-17-5) Listed.
Propylene glycol (CAS 57-55-6) Listed.

US. Massachusetts RTK - Substance List
Alcohol (CAS 64-17-5) Listed.

US. Pennsylvania RTK - Hazardous Substances
Alcohol (CAS 64-17-5) Listed.
Propylene glycol (CAS 57-55-6) Listed.

US. Rhode Island RTK
Not regulated.
16. Other Information

The information in the sheet was written based on the best knowledge and experience currently available. 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.

**Disclaimer**

**Issue date**
01-April-2015

**Effective date**
01-September-2014

**Expiry date**
01-September-2017

**Further information**
For any questions surrounding this SDS, please contact the supplier/manufacturer listed on the first page of the document.

Revision 1.
Hazard categorization updated. Ingredient ranges used and revised in Section 3. Transportation information updated.

Based on bulk liquid # 4OP72301.

**Prepared by**
Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

**Other information**
This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).
This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.