

# Material Safety Data Sheet



| NFPA          | HMIS   |               |   |             |   |            |   |
|---------------|--|---------------|---|-------------|---|------------|---|
|               | <table border="1"> <tr> <td style="background-color: #0000FF; color: white;">Health Hazard</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Fire Hazard</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center;">0</td> </tr> </table> | Health Hazard | 1 | Fire Hazard | 2 | Reactivity | 0 |
| Health Hazard | 1  |               |   |             |   |            |   |
| Fire Hazard   | 2  |               |   |             |   |            |   |
| Reactivity    | 0  |               |   |             |   |            |   |

Issuing Date 10-Aug-2009

Revision Date

Revision Number 0

**NFPA/HMIS Ratings Legend**

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Sani Professional™ Brand Sani-Hands® Instand Hand Sanitizing Wipes

**Product Code(s)** MSDS0070

**Recommended Use** Disinfecting wipes

**Other Information**

Anti-microbial alcohol gel wipes. For external use only.

**Supplier Address**

Professional Disposables  
International, Inc.  
Two Nice-Pak Park  
Orangeburg, NY 10962  
P: 845-365-1700

## 2. HAZARDS IDENTIFICATION

**CAUTION!**

**Emergency Overview**

Flammable  
May cause skin and eye irritation

**Appearance** Colorless

**Physical State** Solid containing liquid

**Odor** Alcohol

**Potential Health Effects**

**Principle Routes of Exposure**

Skin contact, Eye contact.

**Acute Toxicity**

**Eyes**

May cause irritation.

**Skin**

May cause irritation.

**Inhalation**

Not an expected route of exposure.

|                                      |  |
|--------------------------------------|--|
| <b>Ingestion</b>                     | No hazard from product as supplied.                                |
| <b>Chronic Effects</b>               | No known effect.   |
| <b>Aggravated Medical Conditions</b> | Preexisting eye disorders. Skin disorders. Central nervous system. |
| <b>Environmental Hazard</b>          | See Section 12 for additional Ecological Information.              |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <b>Chemical Name</b>        | <b>CAS-No</b> | <b>Weight %</b> |
|-----------------------------|---------------|-----------------|
| Ethanol                     | 64-17-5       | 60-100          |
| Water                       | 7732-18-5     | 30-60           |
| Propylene Glycol            | 57-55-6       | 1-5             |
| Glycerin                    | 56-81-5       | 0.1-1           |
| 2-Amino-2-methyl-1-propanol | 124-68-5      | <0.1            |
| Aloe barbadensis extract    | 85507-69-3    | <0.1            |
| Tocopherol, acetate         | 1406-70-8     | <0.1            |

### 4. FIRST AID MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Eye Contact</b>                | Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.                          |
| <b>Skin Contact</b>               | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                           |
| <b>Inhalation</b>                 | Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician. |
| <b>Ingestion</b>                  | Not an expected route of exposure. Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.       |
| <b>Notes to Physician</b>         | Treat symptomatically.   |
| <b>Protection of First-aiders</b> | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.               |

### 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Flammable Properties</b>             | Flammable; may be ignited by heat, sparks or flames.   |
| <b>Flash Point</b>                      | 23.3°C / 74°F  |
| <b>Suitable Extinguishing Media</b>     | Foam. Carbon dioxide (CO <sub>2</sub> ). Water spray or fog.   |
| <b>Unsuitable Extinguishing Media</b>   | CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient. |
| <b>Hazardous Combustion Products</b>    | Carbon oxides.   |
| <b>Sensitivity to Mechanical Impact</b> | None.  |
| <b>Explosion Data</b>                   |  |
| <b>Sensitivity to Static Discharge</b>  | May be ignited by heat, sparks or flames.  |

**Specific Hazards Arising from the Chemical** Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.

**Protective Equipment and Precautions for Firefighters** Move containers from fire area if you can do it without risk.

|             |                        |                       |                    |  |
|-------------|------------------------|-----------------------|--------------------|--|
| <b>NFPA</b> | <b>Health Hazard 1</b> | <b>Flammability 2</b> | <b>Stability 0</b> | <b>Physical and Chemical Hazards N/A</b> |
| <b>HMIS</b> | <b>Health Hazard 1</b> | <b>Flammability 2</b> | <b>Stability 0</b> | <b>Personal Precautions A</b>            |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Methods for Containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for Cleaning Up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

## 7. HANDLING AND STORAGE

**Handling** Handle in accordance with good industrial hygiene and safety practice. Discard after single use.

**Storage** Keep away from heat and sources of ignition. Keep container tightly closed. Keep from freezing. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name       | ACGIH TLV                 | OSHA PEL   | NIOSH IDLH   |
|---------------------|---------------------------|--|--|
| Ethanol<br>64-17-5  | TWA: 1000 ppm             | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>                   | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| Glycerin<br>56-81-5 | TWA: 10 mg/m <sup>3</sup> | TWA: 15 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>(vacated) TWA: 10 mg/m <sup>3</sup><br>(vacated) TWA: 5 mg/m <sup>3</sup> |  |

**Engineering Measures** Showers, eyewash stations, and ventilation systems.

### Personal Protective Equipment

**Eye/Face Protection**

**Skin and Body Protection**

**Respiratory Protection**

No special protective equipment required.

Protective gloves.

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                   |                          |                                 |                          |
|-----------------------------------|--------------------------|---------------------------------|--------------------------|
| <b>Appearance</b>                 | Colorless                | <b>Odor</b>                     | Alcohol                  |
| <b>Odor Threshold</b>             | No information available | <b>Physical State</b>           | Solid containing liquid  |
| <b>pH</b>                         | 5.8                      |                                 |                          |
| <b>Flash Point</b>                | 23.3°C / 74°F            | <b>Autoignition Temperature</b> | No information available |
| <b>Decomposition Temperature</b>  | No information available | <b>Boiling Point/Range</b>      | No information available |
| <b>Melting Point/Range</b>        | No information available |                                 |                          |
| <b>Flammability Limits in Air</b> | No information available | <b>Explosion Limits</b>         | No information available |
| <b>Specific Gravity</b>           | 0.893                    | <b>Water Solubility</b>         | Cloth not soluble        |
| <b>Solubility</b>                 | No information available | <b>Evaporation Rate</b>         | No information available |
| <b>Vapor Pressure</b>             | No data available        | <b>Vapor Density</b>            | No data available        |
| <b>VOC Content</b>                | Not applicable           |                                 |                          |

**10. STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>Stability</b>                        | Stable under recommended storage conditions. |
| <b>Incompatible Products</b>            | Strong oxidizing agents.                     |
| <b>Conditions to Avoid</b>              | Heat, flames and sparks.                     |
| <b>Hazardous Decomposition Products</b> | Carbon oxides.                               |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.     |

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Product Information**

**Irritation** May cause skin and eye irritation.

| Chemical Name               | LD50 Oral           | LD50 Dermal            | LC50 Inhalation                   |
|-----------------------------|---------------------|------------------------|-----------------------------------|
| Water                       | 90 mL/kg ( Rat )    |                        |                                   |
| Glycerin                    | 12600 mg/kg ( Rat ) | 21900 mg/kg ( Rat )    | 570 mg/m <sup>3</sup> ( Rat ) 1 h |
| 2-Amino-2-methyl-1-propanol | 2900 mg/kg ( Rat )  | 2000 mg/kg ( Rabbit )  |                                   |
| Propylene Glycol            | 20000 mg/kg ( Rat ) | 20800 mg/kg ( Rabbit ) |                                   |
| Ethanol                     | 7060 mg/kg ( Rat )  |                        |                                   |

**Chronic Toxicity**

**Chronic Toxicity** No known effect.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

| Chemical Name | ACGIH | IARC    | NTP    | OSHA |
|---------------|-------|---------|--------|------|
| Ethanol       |       | Group 1 | Know n | X    |

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Sensitization** Patch test on human volunteers did not demonstrate irritating properties. Patch test on human volunteers did not demonstrate sensitization properties.

**Target Organ Effects** Central nervous system (CNS).

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The environmental impact of this product has not been fully investigated. Ecotoxicity effects of component substances.

| Chemical Name               | Toxicity to Algae      | Toxicity to Fish   | Microtox  | Daphnia Magna (Water Flea)                      |
|-----------------------------|------------------------|--|---|---|
| Ethanol                     |                        | LC50= 12900 mg/L<br>Oncorhynchus mykiss 96 h<br>LC50= 14.2 mg/L Pimephales<br>promelas 96 h  | EC50 = 34634 mg/L 30 min<br>EC50 = 35470 mg/L 5 min | EC50 = 10800 mg/L 24 h<br>EC50 = 9268 mg/L 48 h |
| Propylene Glycol            | EC50 = 19000 mg/L 96 h | LC50= 51400 mg/L<br>Pimephales promelas 96 h<br>LC50= 51600 mg/L<br>Oncorhynchus mykiss 96 h | EC50 = 710 mg/L 30 min                              | EC50 > 10000 mg/L 48 h                          |
| Glycerin                    |                        | LC50 51000 - 57000 mg/L<br>Oncorhynchus mykiss 96 h  |   | EC50 > 500 mg/L 24 h                            |
| 2-Amino-2-methyl-1-propanol | EC50 = 520 mg/L 72 h   | LC50= 190 mg/L Lepomis<br>macrochirus 96 h   |   | EC50 = 193 mg/L 48 h                            |

| Chemical Name | Log Pow |
|---------------|---------|
| Ethanol       | -0.32   |
| Glycerin      | = -1.76 |

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of in accordance with local regulations.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|---------------|-----------------------------------|
| Ethanol       | Toxic; Ignitable                  |

## 14. TRANSPORT INFORMATION

**DOT**

**Proper Shipping Name** Consumer commodity  
**Hazard Class** ORM-D

## 14. TRANSPORT INFORMATION

|                    |                           |
|--------------------|---------------------------|
| <b>Description</b> | Consumer commodity,ORM-D, |
|--------------------|---------------------------|

**TDG**

|                             |                         |
|-----------------------------|-------------------------|
| <b>Proper Shipping Name</b> | Ethanol                 |
| <b>Hazard Class</b>         | 3                       |
| <b>UN-No</b>                | UN1170                  |
| <b>Packing Group</b>        | III                     |
| <b>Description</b>          | ETHANOL,3,UN1170,PG III |

**MEX**

|                             |                      |
|-----------------------------|----------------------|
| <b>Proper Shipping Name</b> | Ethanol              |
| <b>Hazard Class</b>         | 3                    |
| <b>UN-No</b>                | UN1170               |
| <b>Packing Group</b>        | III                  |
| <b>Description</b>          | UN1170 Ethanol,3,III |

**ICAO**

|                             |  |
|-----------------------------|--|
| <b>UN-No</b>                | UN1170                                 |
| <b>Proper Shipping Name</b> | Ethyl alcohol solution                 |
| <b>Hazard Class</b>         | 3                                      |
| <b>Packing Group</b>        | III                                    |
| <b>Description</b>          | Ethyl alcohol solution,3,UN1170,PG III |

**IATA**

|                             |  |
|-----------------------------|--|
| <b>UN-No</b>                | UN1170                                 |
| <b>Proper Shipping Name</b> | Ethyl alcohol solution                 |
| <b>Hazard Class</b>         | 3                                      |
| <b>Packing Group</b>        | III                                    |
| <b>ERG Code</b>             | 3L                                     |
| <b>Description</b>          | UN1170,Ethyl alcohol solution,3,PG III |

**IMDG/IMO**

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Ethanol (Ethyl alcohol)                  |
| <b>Hazard Class</b>         | 3  |
| <b>UN-No</b>                | UN1170                                   |
| <b>Packing Group</b>        | III                                      |
| <b>EmS No.</b>              | F-E, S-D                                 |
| <b>Description</b>          | UN1170, Ethanol (Ethyl alcohol),3,PG III |

**RID**

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | Ethanol (Ethyl alcohol)                  |
| <b>Hazard Class</b>         | 3  |
| <b>UN-No</b>                | UN1170                                   |
| <b>Packing Group</b>        | III                                      |
| <b>Classification Code</b>  | F1                                       |
| <b>Description</b>          | UN1170 Ethanol (Ethyl alcohol),3,III,RID |
| <b>ADR/RID-Labels</b>       | 3  |

**ADR**

|                             |                                      |
|-----------------------------|--------------------------------------|
| <b>Proper Shipping Name</b> | Ethanol (Ethyl alcohol)              |
| <b>Hazard Class</b>         | 3                                    |
| <b>UN-No</b>                | UN1170                               |
| <b>Packing Group</b>        | III                                  |
| <b>Classification Code</b>  | F1                                   |
| <b>Description</b>          | UN1170 Ethanol (Ethyl alcohol),3,III |

14. TRANSPORT INFORMATION

**ADN**

|                             |                      |
|-----------------------------|----------------------|
| <b>Proper Shipping Name</b> | Ethanol              |
| <b>Hazard Class</b>         | 3                    |
| <b>Packing Group</b>        | III                  |
| <b>Classification Code</b>  | F1                   |
| <b>Special Provisions</b>   | 144, 330, 601        |
| <b>Description</b>          | UN1170 Ethanol,3,III |
| <b>Hazard Labels</b>        | 3                    |
| <b>Limited Quantity</b>     | LQ7                  |
| <b>Ventilation</b>          | VE01                 |

|                            |
|----------------------------|
| 15. REGULATORY INFORMATION |
|----------------------------|

**International Inventories**

|      |          |
|------|----------|
| TSCA | Complies |
| DSL  | Complies |

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

| Chemical Name | CAS-No  | California Prop. 65 |
|---------------|---------|---------------------|
| Ethanol       | 64-17-5 | Developmental       |

**U.S. State Right-to-Know Regulations**

| Chemical Name               | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-----------------------------|---------------|------------|--------------|----------|--------------|
| Glycerin                    | X             |            | X            |          | X            |
| 2-Amino-2-methyl-1-propanol | X             |            | X            |          |              |
| Propylene Glycol            |               |            | X            |          | X            |
| Ethanol                     | X             | X          | X            |          | X            |

**International Regulations**

| Chemical Name | Carcinogen Status | Exposure Limits  |
|---------------|-------------------|--|
| Glycerin      |                   | Mexico: TWA= 10 mg/m <sup>3</sup>                            |
| Ethanol       |                   | Mexico: TWA= 1900 mg/m <sup>3</sup><br>Mexico: TWA= 1000 ppm |

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.



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**WHMIS Hazard Class**

Not regulated under CEPA

**16. OTHER INFORMATION**

**Issuing Date** 10-Aug-2009  
**Revision Date**  
**Revision Note** No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**