

Distributed by: Rainbow Technology Corp.
 1.800.637.6047 or 205.733.0333
 Product #: 7181



MATERIAL SAFETY DATA SHEET

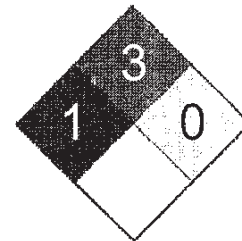


1. Product and Company Identification

| | | |
|---------------------|---|-----------------|
| Product Name | Sani-Hands ALC Antimicrobial Alcohol Gel Hand Wipes | MSDS0027 |
| CAS # | Mixture | |
| Product use | Antimicrobial | |
| Manufacturer | 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 | * 1 |
| Flammability | 3 |
| Physical Hazard | 0 |
| Personal Protection | |



2. Hazards Identification

| | |
|--|--|
| Emergency overview | For external use only. Avoid contact with eyes. WARNING FLAMMABLE SOLID. Keep away from fire or flame. Irritating to eyes. Contains a potential mutagen. |
| Potential short term health effects | |
| Routes of exposure | Eye, Skin contact, Inhalation, Ingestion. |
| Eyes | May cause irritation. |
| Skin | Non-irritating based on test data. Not a skin sensitizer based on test data. |
| Inhalation | 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 | Blood. Eyes. Liver. Respiratory system. |
| 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

| Ingredient(s) | CAS # | Percent |
|-----------------------------|--------------------------------------|---------|
| Alcohol | 64-17-5 | 60 - 80 |
| Composition comments | Active ingredients are listed above. | |

4. First Aid Measures

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|-----------------------------|---|
| 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 | Discontinue use if irritation and redness develop. If condition persists for more than 72 hours, consult a physician. |

| | |
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| Inhalation | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. |
| Ingestion | If swallowed, get medical help or contact a Poison Control Center immediately. |
| 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. Keep out of reach of children. |

5. Fire Fighting Measures

| | |
|--|---|
| Flammable properties | Flammable solid. |
| Extinguishing media | |
| Suitable extinguishing media | Dry chemical. Alcohol foam. Carbon dioxide. |
| Unsuitable extinguishing media | Not available |
| 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. Pick up and discard towel. |
| Other information | Pick up and discard towel. |

7. Handling and Storage

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|----------|---|
| Handling | Use according to package label instructions. Use good industrial hygiene practices in handling this material. |
| Storage | Keep out of reach of children. Store at room temperature in the original container. |

8. Exposure Controls / Personal Protection

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|--------------------------------|--|
| Exposure limits | |
| Ingredient(s) | Exposure Limits |
| Alcohol | ACGIH-TLV TWA: 1000 ppm OSHA-PEL TWA: 1000 ppm |
| Engineering controls | General ventilation normally adequate. |
| Personal protective equipment | |
| Eye / face protection | Not normally required. Avoid contact with eyes. |
| Hand protection | Not required. |
| 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. |

9. Physical & Chemical Properties

| | |
|--|-----------------------------|
| Appearance | Liquid saturated on wipe |
| Color | Clear, colorless on a wipe |
| Form | Pre-moistened towelette. |
| Odor | Alcohol |
| Odor threshold | Not available |
| Physical state | Pre-moistened towelette |
| pH | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Flash point | 23.33 °C (74 °F) (Liquid) |
| Evaporation rate | Not available |
| Flammability limits in air, lower, % by volume | Not available |
| Flammability limits in air, upper, % by volume | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Specific gravity | 0.893 (Liquid) |
| Octanol/water coefficient | Not available |
| Solubility (H ₂ O) | Pad is not soluble in water |
| Auto-ignition temperature | Not available |
| VOC (Weight %) | The liquid is a volatile. |
| Viscosity | Not available |
| Percent volatile | Not available |

10. Chemical Stability & Reactivity Information

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|------------------------------------|---|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Avoid high temperatures. Do not mix with other chemicals. |
| Incompatible materials | Acids. Oxidizers. Caustics. |
| 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

Component analysis - LC50

| Ingredient(s) | LC50 |
|---------------|---------------|
| Alcohol | 31623 ppm rat |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|---------------|----------------------------------|
| Alcohol | 3450 mg/kg mouse; 1501 mg/kg rat |

Effects of acute exposure

| | |
|-----------------|---|
| Eye | May cause irritation. |
| Skin | Non-irritating based on test data. Not a skin sensitizer based on test data. |
| Inhalation | 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 Limits Values - Carcinogens

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|---------|---------|---|
| Alcohol | 64-17-5 | A4 - Not Classifiable as a Human Carcinogen |
|---------|---------|---|

| | |
|-----------------------------|--|
| Mutagenicity | Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol. |
| 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 Fish Species Data | | |
| Alcohol | 64-17-5 | 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 <i>Pimephales promelas</i> : 14.2 mg/L |
| Ecotoxicity - Microtox Data | | |
| Alcohol | 64-17-5 | 5 Min EC50 <i>Photobacterium phosphoreum</i> : 35470 mg/L; 30 min EC50 <i>Photobacterium phosphoreum</i> : 34634 mg/L |
| Ecotoxicity - Water Flea Data | | |
| Alcohol | 64-17-5 | 48 Hr EC50 <i>Daphnia magna</i> : 9268 mg/L; 24 Hr EC50 <i>Daphnia magna</i> : 10800 mg/L |
| Environmental effects | Not available | |
| Aquatic toxicity | Not available | |
| Persistence / degradability | This product is not readily biodegradable. | |
| Bioaccumulation / accumulation | Not available | |
| Partition coefficient | Not available | |
| Mobility in environmental media | Not available | |
| Chemical fate information | Not available | |

13. Disposal Considerations

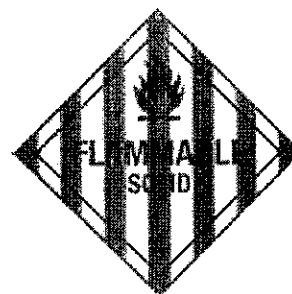
| | |
|--|--|
| Waste codes | Not available |
| Disposal instructions | Dispose in accordance with all applicable regulations. |
| Waste from residues / unused products | Not available |
| Contaminated packaging | Not available |

14. Transport Information

Department of Transportation (DOT)

Basic shipping requirements:

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|--------------------------------|--|
| Proper shipping name | Solids containing flammable liquid, n.o.s. (ETHANOL) |
| Hazard class | 4.1 |
| UN number | UN3175 |
| Packing group | II |
| Additional information: | |
| Special provisions | 47, IB6, IP2, T3, TP33 |
| Packaging exceptions | <1Kg-Consumer Commodity ORM-D |
| ERG number | 133 |



15. Regulatory Information

Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 CERCLA/SARA Hazardous Substances - Not applicable.

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 - Yes 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 |
| Safe Drinking Water Act (SDWA) | Not available |
| Drug Enforcement Agency (DEA) | Not available |
| Food and Drug Administration (FDA) | Not available |

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

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

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

Alcohol 64-17-5 Present (refers to solutions greater than or equal to 25% which are not beverage alcohols)

U.S. - California - Proposition 65 - Developmental Toxicity

Alcohol 64-17-5 developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)

U.S. - Massachusetts - Right To Know List

Alcohol 64-17-5 Teratogen

U.S. - Minnesota - Hazardous Substance List

Alcohol 64-17-5 Present

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

Alcohol 64-17-5 sn 0844

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

Alcohol 64-17-5 Present

U.S. - Rhode Island - Hazardous Substance List

Alcohol 64-17-5 Toxic; Flammable

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. Keep away from children, unless under adult supervision.

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Prepared by

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