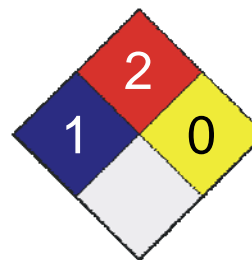


## 1. Product and Company Identification

|                     |   |                          |
|---------------------|---|--------------------------|
| <b>Product Name</b> | <b>PDI Nice-Clean Towelettes</b>  | <b>MSDS No. MSDS0062</b> |
| <b>CAS #</b>        | Mixture   |                          |
| <b>Product use</b>  | Hand cleaner  |                          |
| <b>Manufacturer</b> | Professional Disposables International, Inc.<br>Two Nice-Pak Park<br>Orangeburg, NY 10962-1376<br>or Distributed by:<br>Professional Disposables International Ltd, Ontario CA<br>Phone (USA) 1-845-365-1700 (M-F 8am - 5pm)<br>Phone (CANADA) 1-800-263-7067 |                          |

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

|                     |     |
|---------------------|-----|
| Health              | * 1 |
| Flammability        | 2   |
| Physical Hazard     | 0   |
| Personal Protection |     |



## 2. Hazards Identification

|  |  |
|--|--|
| <b>Emergency overview</b>                  | CAUTION<br>Irritating to eyes.<br>Contains a potential mutagen.  |
| <b>Potential short term health effects</b> |  |
| <b>Routes of exposure</b>                  | Eye, Skin contact, Skin absorption, Inhalation, Ingestion.   |
| <b>Eyes</b>                                | Causes irritation.   |
| <b>Skin</b>                                | In case of skin irritation, discontinue use of the product.  |
| <b>Inhalation</b>                          | Not a normal route of exposure. May cause respiratory tract irritation.  |
| <b>Ingestion</b>                           | Not a normal route of exposure. May cause stomach distress, nausea or vomiting.  |
| <b>Target organs</b>                       | Blood. Eyes. Liver. Respiratory system. 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.<br>Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. |

## 3. Composition / Information on Ingredients

| Ingredient(s) | CAS #   | Percent |
|---------------|---------|---------|
| Alcohol       | 64-17-5 | 10 - 30 |

## 4. First Aid Measures

|                             |  |
|-----------------------------|--|
| <b>First aid procedures</b> |  |
| <b>Eye contact</b>          | Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.                       |
| <b>Skin contact</b>         | In case of skin irritation, discontinue use of product.  |
| <b>Inhalation</b>           | Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.                               |
| <b>Ingestion</b>            | 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. |
| <b>Notes to physician</b>   | 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. Avoid contact with eyes.

## 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Flammable properties</b>                       | Not flammable per ICAO Test Method 1.1.2.1  |
| <b>Extinguishing media</b>                        |   |
| <b>Suitable extinguishing media</b>               | Dry chemical. Alcohol foam. Carbon dioxide.   |
| <b>Unsuitable extinguishing media</b>             | Not available   |
| <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   |

## 6. Accidental Release Measures

|                                |   |
|--------------------------------|---|
| <b>Personal precautions</b>    | 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. |
| <b>Methods for containment</b> | Prevent entry into waterways, sewers, basements or confined areas.  |
| <b>Methods for cleaning up</b> | Pick up and discard towel.  |

## 7. Handling and Storage

|                 |  |
|-----------------|--|
| <b>Handling</b> | Use good industrial hygiene practices in handling this material.                             |
| <b>Storage</b>  | Keep out of reach of children. Store in a closed container away from incompatible materials. |

## 8. Exposure Controls / Personal Protection

|                                       |  |
|---------------------------------------|--|
| <b>Exposure limits</b>                |  |
| <b>Ingredient(s)</b>                  | <b>Exposure Limits</b>   |
| Alcohol                               | <b>ACGIH-TLV</b><br>TWA: 1000 ppm<br><b>OSHA-PEL</b><br>TWA: 1000 ppm                                  |
| <b>Engineering controls</b>           | General ventilation normally adequate.   |
| <b>Personal protective equipment</b>  |  |
| <b>Eye / face protection</b>          | Follow standard industrial hygiene practices.  |
| <b>Hand protection</b>                | Not required.  |
| <b>Skin and body protection</b>       | As required by employer code.  |
| <b>Respiratory protection</b>         | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.                     |
| <b>General hygiene considerations</b> | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. |

## 9. Physical & Chemical Properties

|                   |                           |
|-------------------|---------------------------|
| <b>Appearance</b> | Liquid saturated on wipe  |
| <b>Color</b>      | Clear liquid              |
| <b>Form</b>       | Liquid saturated on wipe. |

|  |                             |
|--|-----------------------------|
| Odor   | Lavender                    |
| Odor threshold                                 | Not available               |
| Physical state                                 | Solid                       |
| pH   | Not available               |
| Melting point                                  | Not available               |
| Freezing point                                 | Not available               |
| Boiling point                                  | Not available               |
| Flash point                                    | 107 °C (224.60 °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                               | Not available               |
| Octanol/water coefficient                      | Not available               |
| Solubility (H2O)                               | Wipe is not soluble         |
| Auto-ignition temperature                      | Not available               |
| VOC (Weight %)                                 | Not available               |
| Viscosity                                      | Not available               |
| Percent volatile                               | Not available               |

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## 10. Chemical Stability & Reactivity Information

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|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.              |
| <b>Conditions to avoid</b>                | Do not mix with other chemicals. Avoid high temperatures. |
| <b>Incompatible materials</b>             | Caustics. Acids. Oxidizers.                               |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon.     |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.                  |

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## 11. Toxicological Information

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### Component analysis - LC50

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

### Component analysis - Oral LD50

| Ingredient(s) | LD50                             |
|---------------|----------------------------------|
| Alcohol       | 3450 mg/kg mouse; 7060 mg/kg rat |

### Effects of acute exposure

|                        |   |
|------------------------|---|
| <b>Eye</b>             | Causes irritation.  |
| <b>Skin</b>            | In case of skin irritation, discontinue use of the product.                     |
| <b>Inhalation</b>      | Not a normal route of exposure. May cause respiratory tract irritation.         |
| <b>Ingestion</b>       | Not a normal route of exposure. May cause stomach distress, nausea or vomiting. |
| <b>Sensitization</b>   | Non-hazardous by WHMIS/OSHA criteria.   |
| <b>Chronic effects</b> | Non-hazardous by WHMIS/OSHA criteria.   |
| <b>Carcinogenicity</b> | See below.  |

#### ACGIH - Threshold Limit Values - Carcinogens

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

#### IARC - Group 1 (Carcinogenic to Humans)

|         |         |  |
|---------|---------|--|
| Alcohol | 64-17-5 | Monograph 96 [2007] (in alcoholic beverages) |
|---------|---------|--|

**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 WHMIS/OSHA criteria.

**Teratogenicity**

Animal studies demonstrate that ingestion of ethanol can cause embryotoxicity, teratogenicity and fetotoxicity in the presence of maternal toxicity.

## 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** Not available

**Bioaccumulation / accumulation** Not available

**Partition coefficient** Not available

**Mobility in environmental media** Not available

**Chemical fate information** Not available

**Other adverse effects** Not available

## 13. Disposal Considerations

**Waste codes** Not available

**Disposal instructions** Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Not available

**Contaminated packaging** Not available

## 14. Transport Information

**U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

## 15. Regulatory Information

**Canadian federal regulations**

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

**Canada - WHMIS - Ingredient Disclosure List**

|         |         |       |
|---------|---------|-------|
| Alcohol | 64-17-5 | 0.1 % |
|---------|---------|-------|

**US Federal regulations**

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.

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

Benzene: 10.0000  
 Benzene, methyl-: 1000.0000  
 Benzene, (chloromethyl)-: 100.0000  
 Propylene oxide: 100.0000

**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

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

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer and 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

**Inventory name**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

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.

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