1. Product and Company Identification

Product Name: PDI Insect Sting Relief Pads  
MSDS No. 0052

CAS #: Mixture

Product use: For temporary relief of pain and itching associated with minor burns, scrapes and insect bites

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

<table>
<thead>
<tr>
<th>HMIS/NFPA</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
<td>4</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview
DANGER
FLAMMABLE SOLID.
May cause sensitization by skin contact.
Contains a potential mutagen.
EYE IRRITANT

Potential short term health effects

Routes of exposure
Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes
Causes irritation.

Skin
Non-irritating based on test data. Contains a potential skin sensitizer.

Inhalation
Not a normal route of exposure. May cause respiratory tract irritation.

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

Target organs

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>Ethanol</td>
<td>64-17-5</td>
<td>40 - 70</td>
</tr>
<tr>
<td>Benzocaine</td>
<td>94-09-7</td>
<td>3 - 7</td>
</tr>
<tr>
<td>1,2-Propylene glycol</td>
<td>57-55-6</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact
Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact
In case of skin irritation, discontinue use of product.

Inhalation
If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion
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. Keep out of reach of children. Avoid contact with eyes.

5. Fire Fighting Measures

Flammable properties
Flammable per ICAO Test Method 1.1.2.1 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. Oxides of nitrogen.

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.

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.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s) | Exposure Limits
--- | ---
1,2-Propylene glycol | ACGIH-TLV
Not established
OSHA-PEL
Not established
Benzocaine | ACGIH-TLV
Not established
OSHA-PEL
Not established
Ethanol | ACGIH-TLV
TWA: 1000 ppm
OSHA-PEL
TWA: 1000 ppm

Engineering controls
General ventilation normally adequate.
9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid saturated on wipe</td>
</tr>
<tr>
<td>Color</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid saturated on wipe</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>Not available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>83.33 °C (182 °F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</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 available</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>Not available</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>VOC (Weight %)</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. Chemical Stability & Reactivity Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid high temperatures. Do not mix with other chemicals.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>May include and are not limited to: Oxides of carbon. Oxides of nitrogen.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
</tbody>
</table>

11. Toxicological Information

<table>
<thead>
<tr>
<th>Component analysis - LC50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient(s)</td>
<td></td>
</tr>
<tr>
<td>1,2-Propylene glycol</td>
<td>Not available</td>
</tr>
<tr>
<td>Benzocaine</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethanol</td>
<td>31623 ppm rat</td>
</tr>
</tbody>
</table>
### Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propylene glycol</td>
<td>14800 mg/kg rabbit; 20000 mg/kg rat</td>
</tr>
<tr>
<td>Benzocaine</td>
<td>1150 mg/kg rabbit; 3042 mg/kg rat</td>
</tr>
<tr>
<td>Ethanol</td>
<td>3450 mg/kg mouse; 7060 mg/kg rat</td>
</tr>
</tbody>
</table>

### Effects of acute exposure

- **Eye**
  
  Causes irritation.

- **Skin**
  
  Non-irritating based on test data. Contains a potential skin sensitizer.

- **Inhalation**
  
  Not a normal route of exposure. May cause respiratory tract irritation.

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

- **Sensitization**
  
  Contains a potential skin sensitizer.

### Chronic effects

Non-hazardous by WHMIS/OSHA criteria.

### Carcinogenicity

See below.

- **AGIHI - Threshold Limit Values - Carcinogens**
  
  Ethanol 64-17-5 A4 - Not Classifiable as a Human Carcinogen

- **IARC - Group 1 (Carcinogenic to Humans)**
  
  Ethanol 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 Algae Data**
    
    1,2-Propylene glycol 57-55-6 96 Hr EC50 Selenastrum capricornutum: 19000 mg/L
  
  - **Ecotoxicity - Freshwater Fish Species Data**
    
    1,2-Propylene glycol 57-55-6 96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Pimephales promelas: 51400 mg/L [static]
    
    Benzocaine 94-09-7 96 Hr LC50 Pimephales promelas: 35.4 mg/L [flow-through]
    
    Ethanol 64-17-5 96 Hr LC50 Oncorhynchus mykiss: 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 Pimephales promelas: 14.2 mg/L
  
  - **Ecotoxicity - Microtox Data**
    
    1,2-Propylene glycol 57-55-6 30 Min EC50 Photobacterium phosphoreum: 710 mg/L
    
    Ethanol 64-17-5 5 Min EC50 Photobacterium phosphoreum: 35470 mg/L; 30 min EC50 Photobacterium phosphoreum: 34634 mg/L
  
  - **Ecotoxicity - Water Flea Data**
    
    1,2-Propylene glycol 57-55-6 48 Hr EC50 Daphnia magna: >10000 mg/L
    
    Ethanol 64-17-5 48 Hr EC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna: 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)

Basic shipping requirements:

<table>
<thead>
<tr>
<th>Proper shipping name</th>
<th>Solids containing flammable liquid, n.o.s.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard class</td>
<td>4.1</td>
</tr>
<tr>
<td>UN number</td>
<td>UN3175</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
</tbody>
</table>

Additional information:

<table>
<thead>
<tr>
<th>Special provisions</th>
<th>47, IB6, IP2, T3, TP33</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging exceptions</td>
<td>151</td>
</tr>
<tr>
<td>ERG number</td>
<td>133</td>
</tr>
</tbody>
</table>

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

<table>
<thead>
<tr>
<th>Proper shipping name</th>
<th>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard class</td>
<td>4.1</td>
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<td>UN number</td>
<td>UN3175</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
</tbody>
</table>

Additional information:

| Special provisions  | 16, 56                                   |

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
1,2-Propylene glycol 57-55-6 1 %
Ethanol 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
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

WHMIS classification Exempt - Registered product - (NHP 02237901)
State regulations WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
Ethanol 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
Ethanol 64-17-5 developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)

U.S. - Massachusetts - Right To Know List
Ethanol 64-17-5 Teratogen

U.S. - Minnesota - Hazardous Substance List
1,2-Propylene glycol 57-55-6 Present
Ethanol 64-17-5 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
1,2-Propylene glycol 57-55-6 sn 3595
Ethanol 64-17-5 sn 0844

U.S. - Pennsylvania - RTK (Right to Know) List
1,2-Propylene glycol 57-55-6 Present
Ethanol 64-17-5 Present

U.S. - Rhode Island - Hazardous Substance List
1,2-Propylene glycol 57-55-6 Flammable
Ethanol 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.

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