1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Marine Safety Strip

Other Means of Identification
SDS # DCI-011

Synonyms Peel Away 7

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Paint Stripper/Stripper.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Dumond Chemicals, Inc.
1475 Phoenixville Rd. Suite 18
West Chester, Pa 19380

Emergency Telephone Number
Company Phone Number 1-609-655-7700
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Inhalation (Vapors)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

Signal Word
Danger
Hazard Statements
Harmful if inhaled
Causes skin irritation
Causes severe eye irritation
May damage fertility or the unborn child
May cause respiratory irritation. May cause drowsiness or dizziness

Appearance  Light brown paste  Physical State  Paste  Odor  Slight Sweet

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)
May be harmful if swallowed
May be harmful in contact with skin

Other Hazards
Toxic to aquatic life with long lasting effects
Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms  Peel Away 7.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin</td>
<td>1332-58-7</td>
<td>20-40</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>20-40</td>
</tr>
<tr>
<td>1-Methyl-2-pyrridone</td>
<td>872-50-4</td>
<td>10-20</td>
</tr>
<tr>
<td>Dimethyl Glutarate</td>
<td>1119-40-0</td>
<td>7.5</td>
</tr>
<tr>
<td>Dimethyl Adipate</td>
<td>627-93-0</td>
<td>7.5</td>
</tr>
<tr>
<td>alpha-(4-nonylphenyl)-omega-hydroxy-poly(oxy-1,2-ethanediyl) branched</td>
<td>127087-87-0</td>
<td>&lt;2</td>
</tr>
</tbody>
</table>
Chemical Additions
Contains 10-20% dibasic ester, which is a mixture of dimethyl glutarate (CAS# 1119-40-0) and dimethyl adipate (CAS# 627-93-0)

4. FIRST AID MEASURES

First Aid Measures

General advice
If exposed or concerned: Get medical advice/attention.

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

Eye Contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.

Ingestion
Drink 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Skin Contact
Wash off immediately with soap and plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
May include redness, drying and cracking of skin. May cause allergic skin reaction. Area of contact may become numb due to anesthetic effects. Exposed individuals may experience eye tearing, redness and discomfort. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Possible aspiration hazard.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically. Individuals with chronic respiratory or skin diseases may be at risk from exposure.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
At elevated temperatures, containers may rupture. Cool containers exposed to flames with water until well after the fire is out. Vapors may form explosive mixtures with air.

Hazardous combustion products
Carbon oxides. Nitrogen oxides (NOx).

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Personal Precautions  
Avoid contact with eyes and skin. Use personal protective equipment as required. Remove all sources of ignition.

Environmental Precautions  
Do not allow into any sewer, on the ground or into any body of water.

Methods and Material for Containment and Cleaning Up

Methods for Containment  
Dike the spilled material, where this is possible. Collect using an inert absorbent material and place in appropriate containers for disposal.

Methods for Cleaning Up  
Wash spill area with plenty of water. Keep in suitable, closed containers for disposal. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling  
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Protect container from physical damage. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions  
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible materials.

Incompatible Materials  

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin 1332-58-7</td>
<td>TWA: 2 mg/m³ particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction</td>
<td>TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated)</td>
<td>TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls  
Apply technical measures to comply with the occupational exposure limits. Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection  
Wear approved safety goggles. Face Mask. Do not wear contact lenses.

Skin and Body Protection  
Rubber, butyl rubber, or other impervious gloves are recommended if needed to avoid skin contact. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection
If occupational exposure limits are exceeded, use NIOSH approved respirator with organic vapor cartridges and dust/mist pre-filter. For higher concentrations (greater than 10 times the recommended exposure limit) an approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form, and concentration. Select in accordance with OSHA 1910.134 and good industrial hygiene practice.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Paste</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Light brown paste</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Sweet</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 93.3 °C / &gt; 200 °F</td>
<td>Cleveland Open Cup (butyl alcohol = 1)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability limits in air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>0.99</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&lt;0.3 mmHg</td>
<td>@ 20 C (Air=1)</td>
</tr>
<tr>
<td>Vapor density</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>12.0 lbs/gal</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>partially soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

### Other Information

| VOC Content (%)       | 15.64% |
| VOC Content           | 1.88 lbs/gal |

## 10. STABILITY AND REACTIVITY

### Reactivity
Not reactive under normal conditions

### Chemical Stability
Stable under recommended storage conditions.

### Possibility of Hazardous Reactions
None under normal processing.

### Conditions to Avoid
Keep out of reach of children.
Incompatible Materials

Hazardous Decomposition Products
Thermal decomposition may produce oxides of carbon and nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Inhalation**
Harmful if inhaled.

**Eye Contact**
Causes severe eye irritation.

**Skin Contact**
Causes skin irritation. May be harmful in contact with skin.

**Ingestion**
May be harmful if swallowed.

#### Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol 100-51-6</td>
<td>$= 1230 \text{mg/kg (Rat)}$</td>
<td>$= 2000 \text{mg/kg (Rabbit)}$</td>
<td>$= 8.8 \text{mg/L (Rat) 4 h}$</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone 872-50-4</td>
<td>$= 3598 \text{mg/kg (Rat)}$</td>
<td>$= 2500 \text{mg/kg (Rat) &gt; 5000 mg/kg (Rabbit)}$</td>
<td>$= 3.1 \text{mg/L (Rat) 4 h}$</td>
</tr>
<tr>
<td>Dimethyl Adipate 627-93-0</td>
<td>$= 1920 \text{mg/kg (Rat)}$</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dimethyl Glutarate 1119-40-0</td>
<td>$= 8191 \text{mg/kg (Rat)}$</td>
<td>-</td>
<td>$&gt; 5.6 \text{mg/L (Rat) 4 h}$</td>
</tr>
</tbody>
</table>

### Information on Physical, Chemical and Toxicological Effects

#### Symptoms
May include redness, drying and cracking of skin. May cause allergic skin reaction. Area of contact may become numb due to anesthetic effects. Exposed individuals may experience eye tearing, redness, and discomfort. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Possible aspiration hazard.

#### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity**
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity**
May damage fertility or the unborn child.

**STOT - single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.

### Numerical Measures of Toxicity - Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document.

- ATEmix (oral): 2037 mg/kg
- ATEmix (dermal): 2356 mg/kg
- ATEmix (inhalation-gas): 824 mg/l
- ATEmix (inhalation-vapor): 11.6 mg/l
## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol 100-51-6</td>
<td>35: 3 h Anabaena variabilis mg/L EC50</td>
<td>460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>EC50 = 50 mg/L 5 min 15 min 10 min</td>
<td>23: 48 h water flea mg/L EC50</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone 872-50-4</td>
<td>500: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>832: 96 h Lepomis macrochirus mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static</td>
<td>EC50 = 35 mg/L 3 h 460 mg/L 6 h 23: 48 h 500 mg/L 8 h</td>
<td>4897: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Dimethyl Glutarate 1119-40-0</td>
<td>19.6 - 26.2: 96 h Pimephales promelas mg/L LC50 static</td>
<td></td>
<td></td>
<td>122.1 - 163.5: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

### Persistence and Degradability

READILY BIODEGRADABLE.

Bioaccumulation

The product has low potential for bioaccumulation.

Mobility

Not determined.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol 100-51-6</td>
<td>1.1</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone 872-50-4</td>
<td>-0.46</td>
</tr>
</tbody>
</table>

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

**DOT**

Not regulated
15. REGULATORY INFORMATION

International Inventories

TSCA Listed
DSL Listed

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENC - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone - 872-50-4</td>
<td>872-50-4</td>
<td>10-20</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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

US State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone - 872-50-4</td>
<td>Developmental</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>100-51-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaolin</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1332-58-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>872-50-4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

U.S. EPA Label Information
**16. OTHER INFORMATION**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Issue Date**  23-Jun-2011  
**Revision Date**  3-Mar-2018  
**Revision Note**  New format

**Disclaimer**
The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet