1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name
Control Low Odor Mastic Remover

Other Means of Identification
SDS # GI-006
UN/ID No NA1993
Product Code 19105

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Mastic remover.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Grayling Industries, Inc.
1008 Branch Drive
Alpharetta, GA 30004

Emergency Telephone Number
Company Phone Number 1-800-635-1551
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification
<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Inhalation (Vapors)</td>
<td>3</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>2</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>4</td>
</tr>
</tbody>
</table>

Signal Word
DANGER

Hazard Statements
Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
May be fatal if swallowed and enters airways
Combustible liquid
Appearance Water white liquid

Chemical Name | CAS No | Weight-%
--- | --- | ---
Aliphatic Hydrocarbon Solvent | 64742-88-7 | Proprietary
2-Butoxyethanol | 111-76-2 | Proprietary
Naphtha (petroleum), heavy aromatic | 64742-94-5 | Proprietary
Ethoxylated Nonylphenol | 9016-45-9 | Proprietary

* The exact percentage (concentration) of composition has been withheld as a trade secret.
4. FIRST AID MEASURES

First Aid Measures

**Eye Contact**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

**Skin Contact**
Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.

**Inhalation**
After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

**Ingestion**
Do NOT induce vomiting. Have patient lie down and keep warm. Call a physician or poison control center immediately.

Most Important Symptoms and Effects, both Acute and Delayed

**Symptoms**
Skin contact can lead to drying, defatting, itching, stinging and irritation. May cause severe irritation with redness, pain, and blurred vision. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause nausea, vomiting, stomach ache, and diarrhea.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use fire extinguishers with class B extinguishing agents. Carbon dioxide (CO2). Foam.

**Unsuitable Extinguishing Media**
Water spray may be ineffective. If water is used, fog nozzles are preferable.

**Specific Hazards Arising from the Chemical**
Cool surrounding equipment, fire-exposed containers, and structures with water.

**Hazardous Combustion Products**
Carbon monoxide. Carbon dioxide (CO2).

**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**
Use personal protective equipment as required.

**Other Information**
Keep unnecessary and unprotected personnel from entering.

**Environmental Precautions**
See Section 12 for additional ecological information.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment**
Stop the flow of material, if this is without risk. Dike and contain spill.

**Methods for Cleaning Up**
Absorb spillage with non-combustible, absorbent material. Mop up and dispose of spilled material.
7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling
Avoid breathing vapors or mists. Use only with adequate ventilation. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash face, hands, and any exposed skin thoroughly after handling. Do not get in eyes, on skin, or on clothing. Avoid free fall of liquid. Ground/bond container and receiving equipment. Do not flame, cut, braze weld or melt empty containers. 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 large amounts in structures made for OSHA Class IIIA liquids. Keep containers closed when not in use and upright to prevent leakage. Store locked up.

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>2-Butoxyethanol 111-76-2</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated)</td>
<td>IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls
Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection
Wear approved safety goggles.

Skin and Body Protection
Use impervious gloves. An apron or other impermeable body protection is suggested. Wear suitable protective clothing and footwear appropriate for the risk of exposure.

Respiratory Protection
Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2).

General Hygiene Considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Appearance</th>
<th>Odor</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Water white liquid</td>
<td>Aromatic</td>
<td>Not determined</td>
</tr>
<tr>
<td>Color</td>
<td>Water white</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Property Values

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>174-196 °C / 346-385 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>60 °C / 141 °F</td>
<td>Tag Closed Cup Lowest Component</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>0.9%</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.5 mm Hg</td>
<td>@20°C</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>5.0</td>
<td>(Air=1)</td>
</tr>
<tr>
<td>Relative Density (Specific Gravity)</td>
<td>0.807</td>
<td>(1=Water) @ 68°F (20°C)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Appreciable</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 determined</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>260 °C / 500 °F</td>
<td>Lowest Component</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>
<tr>
<td>Additional Information</td>
<td>Refractive Index: 1.438</td>
<td>Mixed Aniline Point (Acid Insol): 63°C/147°F</td>
</tr>
</tbody>
</table>

**VOC Content (%)**

99%

**VOC Content**

796.1 g/L

**Density**

6.719 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.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Heat, flames and sparks.

**Incompatible Materials**


**Hazardous Decomposition Products**

Carbon monoxide. Carbon dioxide (CO2).
11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact
Causes serious eye irritation.

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

Inhalation
Toxic if inhaled.

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>Aliphatic Hydrocarbon Solvent</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</td>
<td>&gt; 5.28 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>64742-88-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>= 470 mg/kg (Rat)</td>
<td>= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)</td>
<td>= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 590 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>64742-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethoxylated Nonylphenol 9016-45-9</td>
<td>= 1310 mg/kg (Rat)</td>
<td>= 2 mL/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>9016-45-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms
Please see section 4 of this SDS for symptoms.

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

Carcinogenicity
Not classifiable as a human carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>A3</td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

Aspiration Hazard
May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity
Not determined
## 12. ECOLOGICAL INFORMATION

### Ecotoxicity
Toxic to aquatic organisms Toxic to aquatic life with long lasting effects

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Bioaccumulation</th>
<th>Persistence and Degradability</th>
<th>Bioaccumulation</th>
<th>Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic Hydrocarbon Solvent</td>
<td>450: 96 h</td>
<td>800: 96 h Pimephales promelas mg/L LC50 static</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-88-7</td>
<td>Pseudokirchneriella subcapitata mg/L EC50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>1490: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>2.5: 72 h Skeletonema costatum mg/L EC50</td>
<td>19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Persistence and Degradability
Not determined

### Bioaccumulation
Not determined

### Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>0.81</td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>2.9 - 6.1</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 Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

**DOT**

- **UN/ID No**: NA1993
- **Proper Shipping Name**: Combustible liquid, n.o.s. (Petroleum distillates)
- **Hazard Class**: Comb Liq
- **Packing Group**: III

**IATA**
Not regulated

**IMDG**
Not regulated

15. REGULATORY INFORMATION

**International Inventories**

- **TSCA**: Listed
- **DSL**: Listed
- **EINECS**: Listed
- **ENCs**: Listed
- **KECL**: Listed
- **AICS**: 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
- **ENCs**: Japan Existing and New Chemical Substances
- **KECL**: Korean Existing and Evaluated Chemical Substances
- **PICCS**: Philippines Inventory of Chemicals and Chemical Substances

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

- **Acute health hazard**: Yes
- **Chronic Health Hazard**: Yes
- **Fire hazard**: Yes

**SARA 313**

<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>2-Butoxyethanol - 111-76-2</td>
<td>111-76-2</td>
<td>Proprietary</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**US State Regulations**

**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>Aliphatic Hydrocarbon Solvent</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-88-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
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>2</td>
<td>2</td>
<td>0</td>
<td></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>3</td>
<td>2</td>
<td>0</td>
<td></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issue Date 27-Apr-2006
Revision Date 31-May-2013
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