SECTION 1: IDENTIFICATION

Product Identifier
Product Name: Drago Mastic
Product Form: Water-based emulsion

Intended Use of the Product
Designed to be used as a vapor retardant membrane for use in conjunction with Drago® Wrap

Company Name, Address, and Telephone of the Responsible Party
Stego Industries, LLC
216 Avenida Fabricante #101
San Clemente, CA 92672 USA
Main Contact Number: (877) 464-7834

Emergency Telephone Number
Emergency Number: 1 (800) 424-9300 (24 Hrs.) CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US):
H225 – Flam. Liq. 2
H226 – Flam. Liq. 3
H304 – Asp. Tox. 1
H319 – Eye Irrit. 2A
H340 – Muta. 1B
H350 – Carc. 1B
H351 – Carc. 2
H400 – Aquatic Acute 1
H411 – Aquatic Chronic 2

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H225 – Highly flammable liquid and vapor.
H226 – Flammable liquid and vapor.
H304 – May be fatal if swallowed and enters airways.
H319 – Causes serious eye irritation.
H340 – May cause genetic defects by route of exposure if conclusively proven that no other route applies.
H350 – May cause cancer by route of exposure if conclusively proven that no other route applies.
H351 – Suspected of causing cancer by route of exposure if conclusively proven that no other route exposes.
H400 – Very toxic to aquatic life.
H411 – Toxic to aquatic life with long lasting effects.

Continued...
Note - legal notice on page 8
**SECTION 2: HAZARDS IDENTIFICATION**

**Precautionary Statements (GHS-US):**

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P210 – Keep away from heat.

P233 – Keep container tightly closed.

P240 – Ground/bond container and receiving equipment.

P241 – Use explosion-proof electrical/ventilating/equipment.

P242 – Use only non-sparking tools.

P243 – Take precautionary measures against static discharge.

P264 – Wash face, hands, and any exposed skin thoroughly after handling.

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P281 – Use personal protective equipment as required.

P303 + P361 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 – If exposed or concerned: Get medical advice/attention.

P337 + P313 – If eye irritation persists: Get medical attention/advice.

P370 + P378 – In case of fire: Use extinguishing media for extinction.

P391 – Collect spillage.

P403 + P235 – Store in a well-ventilated place. Keep cool.

P405 – Store lock up.

P501 – Dispose of contents/container according to local, regional, national, and international regulations.

**Other Hazards**

**Other Hazards Not Contributing to the Classification:** Not available.

**Unknown Acute Toxicity (GHS-US)**

No data available.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**Substance**

Not available.

**Mixture**

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS Number</th>
<th>% by WT</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphaltic Cement</td>
<td>8052-42-4</td>
<td>50 – 65%</td>
<td>H225 – Flam. Liq. 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H319 – Eye Irrit. 2A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H351 – Carc. 2</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>20 – 45%</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Elastomeric Polymer</td>
<td>Proprietary</td>
<td>0 – 20%</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Additives</td>
<td>Mixture</td>
<td>0 – 6%</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Stoddard</td>
<td>8052-41-3</td>
<td>0 – 5%</td>
<td>H226 – Flam. Liq. 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H304 – Asp. Tox. 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H340 – Muta. 1B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H350 – Carc. 1B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H400 – Aquatic Acute 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H411 – Aquatic Chronic 2</td>
</tr>
</tbody>
</table>

*Continued...*  
*Note - legal notice on page 8*
SECTION 4: FIRST AID MEASURES

Description of First Aid Measures
First-Aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice [show the label where possible]. IF exposed or concerned: Get medical advice/attention.
First-Aid Measures After Inhalation: Move to fresh air. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.
First-Aid Measures After Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
First-Aid Measures After Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
First-Aid Measures After Ingestion: Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media: Carbon dioxide (CO2). Foam. Dry powder. Dry chemical.
Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Special Hazards Arising From the Substance or Mixture
No information available.

Advice for Firefighters
Fire-Fighting Instructions: Exercise caution when fighting any chemical fire.
Protection During Fire-Fighting: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Reference to Other Sections
Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Evacuate personnel to safe areas.

For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Continued...
SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and Material for Containment and Cleaning Up
For Containment and Clean Up: Dike with inert absorbent material [e.g. dry sand or earth]. Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of as common waste.

Reference to Other Sections
See Section 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling
Avoid contact with skin and eyes. Ensure adequate ventilation.

Conditions for Safe Storage, Including Any Incompatibilities
Incompatible Materials: Not available.

Installation Temperature Range: 40-130°F (surface)
In-Service Temperature Range: 10-130°F (surface and surrounding)
Exposure to Ultraviolet Radiation/Weather Events: The amount of time between when Drago Mastic is installed and when concrete is placed or other complete protection from sunlight and weather events is provided should be minimized while not exceeding 7 days.

Please review the remainder of the SDS and relevant technical data sheets for storage and additional information. If any of the conditions cited above pose a problem for the typical installation of the Drago Mastic, please contact Stego Industries for additional information and solutions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Ontario TWAEV</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Asphalt</td>
<td>TWA: 0.5 mg/m³</td>
<td>TWA: 0.5 mg/m³</td>
<td>STEL: 10 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>TWA: 100 ppm</td>
<td>TWA: 2900 mg/m³</td>
<td>TWA: 525 mg/m³</td>
<td>STEL: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 500 ppm</td>
<td></td>
<td>STEL: 1050 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 523 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 100 ppm</td>
</tr>
</tbody>
</table>

Exposure Controls
Appropriate Engineering Controls: Do not allow ventilation equipment to draw material odors indoors.

Continued...

Note - legal notice on page 8
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION  

Hand Protection: Protective gloves.
Eye Protection: Chemical goggles or safety glasses.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Hygiene Measure: Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.
Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties
Physical State: Liquid
Appearance: Brown/black liquid
Odor: Slight Odor
Odor Threshold: Not Available
pH: 9.5-11.5
Relative Evaporation Rate (butyl acetate = 1): Not Available
Melting Point: Not Available
Freezing Point: Not Available
Boiling Point: 212°F / 100°C
Flash Point: >400°F / 204°C
Auto-ignition Temperature: >700°F / >371°C
Decomposition Temperature: Not Available
Flammability (solid, gas): Not Available
Lower Flammability Limit: Not Available
Upper Flammability Limit: Not Available
Vapor Pressure: Not Available
Relative Vapor Density at 68°F (20°C): >1 [air = 1]
Relative Density: Not Available
Specific Gravity: >1.0
Solubility: Partly miscible
Partition Coefficient: n-octanol/water: Not Available
Explosion Data – Sensitivity to Mechanical Impact: Not Available
Explosion Data – Sensitivity to Static Discharge: Not Available
VOC Content: <16 g/L

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization does not occur.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Contact with strong oxidizing agents may create gelling and water condensation.
Incompatible Materials: No materials to be especially mentioned.

Continued...
**SECTION 11: TOXICOLOGICAL INFORMATION**

Information on Toxicological Effects – Ingredient(s)

**LD50 and LC50 Data:**
- Asphalt (8052-42-4)
  - LD50 Oral Rat: >5,000 mg/kg
  - LD50 Dermal Rabbit: >2,000 mg/kg

**Carcinogenicity Data:**
- Asphalt (8052-42-4)
  - IARC Group: 2B
  - National Toxicity Program (NTP) Status: Twelfth Report – Items under consideration

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity – Ingredients**
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and Degradability**
No information available for this product.

**Bioaccumulative Potential – Product**
No information available for this product.

**Bioaccumulative Potential – Ingredients**
No information available for this product.

**Mobility in Soil**
No information available for this product.

**Other Adverse Effects**
Other Information: Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of in accordance with local, state, and federal regulations.
**Additional Information:** Empty containers should be taken for local recycling, recovery or waste disposal.

**SECTION 14: TRANSPORT INFORMATION**

**In Accordance with DOT Proper Shipping Name**
Non-Regulated Material

**In Accordance with IMDG Proper Shipping Name**
Non-Regulated Material

**Hazard Class**

**Identification Number**

**Packing Group**

**Marine Pollutant**

*Continued...*

*Note - legal notice on page 8*
SECTION 14: TRANSPORT INFORMATION  

In Accordance with IATA
Proper Shipping Name       Non-Regulated Material
Hazard Class
Identification Number
Packing Group
Marine Pollutant

In Accordance with TDG
Proper Shipping Name       Non-Regulated Material.
Hazard Class
Identification Number
Packing Group
Marine Pollutant

SECTION 15: REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>CHINA</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Asphalt</td>
<td>X</td>
<td>X</td>
<td>--</td>
<td>X</td>
<td>--</td>
<td>--</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

TSCA: Complies
DSL: Complies
NIDSL: Complies
EINECS: Complies
ELINCS: Complies
CNCS: Complies
CHINA: Complies
KECL: Complies
PICCS: Complies
AICS: Complies

US Federal Regulation
Elastomeric Polymer (Proprietary): Listed on the United States Toxic Substances Control Act [TSCA] Inventory.
California Proposition 65: This product contains no known Proposition 65 chemicals.

State-Right-to-Know

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Asphalt</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Canada Regulations
All components are listed in the WHMIS DSL.
WHMIS Classification: Not classified.

Continued...

Note - legal notice on page 8
SECTION 16: OTHER INFORMATION

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Disclaimer: The information contained herein only applies to the noted product. To the best of our knowledge, having been obtained through our suppliers or third parties, this information is accurate. We make no warranties, express or implied, concerning this information or the safe use of the noted product, and we disclaim liability from loss, damage, or other from the product’s use, handling, or storage. Users are responsible for verifying the fitness/suitable of the product for any purposes/applications and for confirming compliance with any/all relevant codes or regulations.

Please read the Product Statements for all Drago® products by navigating here: stegoindustries.com/legal