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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):



GHS02



GHS07



GHS08



GHS09

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.

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SECTION 2: HAZARDS IDENTIFICATION *Continued...*

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.
- P 403 + 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

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

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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).

Emergency Procedures: Evacuate unnecessary personnel.

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.

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SECTION 6: ACCIDENTAL RELEASE MEASURES *Continued...*

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

Storage Conditions: Keep container tightly closed. Keep in properly labeled containers. Keep out of the reach of children. Store at room temperature.

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

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
Petroleum Asphalt	TWA: 0.5 mg/m ³		TWA: 0.5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/ m ³
Stoddard Solvent	TWA: 100 ppm	TWA: 2900 mg/m ³ TWA: 500 ppm	TWA: 525 mg/m ³	STEL: 200 ppm STEL: 1050 mg/ m ³ TWA: 523 mg/ m ³ TWA: 100 ppm

Chemical Name	NIOSH IDLH
Stoddard Solvent	20,000 mg/m ³

Exposure Controls

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

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION *Continued...*

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	32°F / 20°C
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.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Hydrocarbons.

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SECTION 11: TOXICOLOGICAL INFORMATION *Continued...*

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

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SECTION 14: TRANSPORT INFORMATION *Continued...*

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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Petroleum Asphalt	X	X	--	X	--	--	X	X	X	X
Stoddard Solvent	X	X	X	X	X	X	X	X	X	X

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

US Federal Regulation

Asphalt (8052-42-4): Listed on the United States Toxic Substances Control Act (TSCA) Inventory.
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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Petroleum Asphalt	X	X	X		X
Stoddard Solvent	X	X	X		X

Canada Regulations

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

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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.

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