



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

**Product form:** Liquid  
**Substance name:** GuardTop® Asphalt Based Sealcoat  
**Synonyms:** Asphalt Based Emulsion

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

<b>Classification of the substance or mixture:</b>	Eye Irritant	Category 2A
	Skin Corrosion/Irritation	Category 2
	Respiratory/Skin Sensitizer	Category 1



**Signal Word:** WARNING

#### Hazard Statements

- May cause skin and eye irritation.
- Fumes from heated material may be irritating.
- Aspiration hazard if swallowed.
- Substance may be harmful if swallowed irritating mouth, throat and/or stomach.
- Prolonged or excessive inhalation may cause respiratory tract irritation.
- Vapors may have a strong offensive odor which may cause headaches, nausea and vomiting.
- Symptoms of overexposure include: fatigue, tearing of eyes, burning sensation in the throat, cough, chest discomfort and skin irritation.

#### Precautionary Statements

- Obtain and read instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Exposure to hot material may cause thermal burns.



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 3: Composition/information on ingredients

Chemical Name	Amount	CAS Number
Asphalt	< = 20.0%	8052-42-4
Water	< = 35.0%	7732-18-5
Aggregate Blend	< = 43.0%	14808-60-7
Carbon Black	> = 1.0%	1333-86-4
Hydrogen Sulfide	> 0.05%	7783-06-4
Cellulose Fiber	> = 1.0%	Mixture

### Section 4: First aid measures

<b>First-aid measures general:</b>	Get prompt medical attention. Dilute with water. If solidified, treat as neat asphalt.
<b>First-aid measures after inhalation:</b>	At elevated temperatures, may cause irritation of the respiratory tract. Although this product is not known to cause respiratory problems, if breathing is difficult, safely remove victim to fresh air and provide oxygen. Get immediate medical attention.
<b>First-aid measures after skin contact:</b>	Wash skin with soap and water. Wear protective gloves to minimize skin contamination. For hot material exposure, DO NOT attempt to remove solidified material from the skin. DO NOT attempt to dissolve with solvents or thinners.
<b>First-aid measures after eye contact:</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Burns due to contact with heated material require immediate medical attention.
<b>First-aid measures after ingestion:</b>	Get immediate medical attention. Do not induce vomiting due to danger of aspirating liquid into lungs. Gastric lavage may be required.

### Most important symptoms and effects, both acute and delayed

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Irritation
<b>Chronic Effects:</b>	No known hazards in normal industrial use.

### Section 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	Use alcohol foam, carbon dioxide or water spray when fighting fires involving this material.
<b>Unsuitable extinguishing media:</b>	Exercise care when using water as contact with hot asphalt products - may produce steam and violent foaming.



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Product is an aqueous solution. Heated product may produce hazardous fumes, decomposition products or residues. Small quantities of hydrogen sulfide may be released upon heating.
<b>Explosion hazard:</b>	None
<b>Reactivity:</b>	Avoid contact with strong bases.

### Advice for firefighters

<b>Firefighting instructions:</b>	Decomposition may produce fumes, smoke, oxides of carbon, hydrocarbons and possible small quantities of hydrogen sulfide. Avoid breathing vapors from heated material. Combustion may produce CO, NO <sub>x</sub> , Sox and reactive hydrocarbons.
<b>Protection during firefighting:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved and full protective gear.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>General measures:</b>	Clean up spills immediately using appropriate personal protective equipment.
<b>For non-emergency personnel</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Absorb spills with absorbent material. Contain spilled liquid with sand or earth.
<b>For emergency responders</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Stop the source of the leak or release. Clean up releases as soon as possible.

### Environmental precautions

Prevent contamination of soil, surface water or groundwater.

### Methods for containment/clean up

Absorb spills with inert material. Contain spilled liquid with sand or earth. Contain liquid to prevent contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 7: Handling and storage

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#### Precautions for safe handling

**Shelf Life:**

30 Days @ 77 degrees C (in original, sealed containers).

**Additional hazards when processed:**

When handling hot material, use protective clothing impervious to this material.

**Precautions for safe handling:**

Use good Hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work.

**Storage conditions:**

Do not store at temperatures above 82 degrees C.

### Section 8: Exposure controls/personal protection

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**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Eye/Face Protection Requirements:**

Where contact with this material is likely, eye protection is recommended.

**Skin Protection Requirements:**

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation and potential exposure.

**Respiratory Protection Requirements:**

Where there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### Exposure Guidelines:

**Hydrogen Sulfide:**

NIOSH REL  
OSHA PEL

C 10 ppm, 15 mg/m<sup>3</sup> (10 min.)  
C 20 ppm, 50 ppm (10 min.)



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 9: Physical and chemical properties

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#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Asphalt Odor
<b>pH:</b>	10-11.5
<b>Melting point:</b>	0 C
<b>Freezing point:</b>	0 C
<b>Specific Gravity:</b>	1.4-1.7 (Water=1)
<b>Boiling point:</b>	100 degrees C @ 760 mm Hg
<b>Flash point:</b>	None
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Vapor pressure:</b>	Same as water mm Hg @ 21 degrees C
<b>Solubility:</b>	Soluble in water
<b>%Volatiles:</b>	<35% @ 21 degrees C @ 760 mm Hg
<b>VOC:</b>	<1

### Section 10: Stability and reactivity

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<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Avoid extreme temperatures.
<b>Incompatible materials:</b>	Avoid contact with strong bases.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 11: Toxicological information

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<b>Skin corrosion:</b>	May cause irritation and a rash with prolonged or repeated contact with skin.								
<b>Serious eye damage/irritation:</b>	Irritating, may injure eye tissue if not removed promptly.								
<b>Respiratory or skin sensitization:</b>	Repeated contact may cause skin irritation, prolonged inhalation may cause respiratory tract irritation.								
<b>Germ cell mutagenicity:</b>	None								
<b>Carcinogenicity:</b>	<table><tr><td>IARC</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</td></tr><tr><td>ACGIH</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.</td></tr><tr><td>NTP</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</td></tr><tr><td>OSHA</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.</td></tr></table>	IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.
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ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.								
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.								
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.								
<b>Reproductive toxicity:</b>	This product contains one or more chemicals known to cause reproductive harm.								
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation, mild.								
<b>Specific target organ toxicity (repeated exposure):</b>	Skin, respiratory, kidney and liver.								
<b>Aspiration hazard:</b>	Respiratory distress as a result of aspiration.								
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.								
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation, burns if contact made with heated material.								
<b>Symptoms/injuries after ingestion:</b>	Harmful if swallowed, irritating to mouth, throat and stomach.								

### Section 12: Ecological information

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#### Environmental Hazards

This material should be prevented from uncontrolled applications to soil or earth. This material should be prevented from entering storm water, sewage drainage systems and bodies of water.



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 13: Disposal considerations

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***Waste Disposal:***

This product, as supplied, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Recovery Act (RCRA), it is the responsibility of the user of the product to determine whether the material is a hazardous waste subject to RCRA. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements. Avoid disposal into wastewater treatment facilities.

***Contaminated Materials:***

Treat as product waste.

***Container Disposal:***

Unclean empty containers should be disposed of in the same manner as the contents.



## GuardTop® Asphalt Based Sealcoat Safety Data Sheet

### Section 14: Transport information

<b>Product Label:</b>	Guard Top Asphalt Based Emulsion
<b>UN Number:</b>	Non-hazardous, no UN number
<b>DOT Shipping Name:</b>	Non Regulated, Water Based Asphalt Emulsion
<b>DOT Hazard Class:</b>	Non-Hazardous

### Section 15: Regulatory information

<b>EEC Symbols and Indications of Danger:</b>	Irritant (Xi)
<b>R-Phrases:</b>	R36/37/38 – Irritating to eyes, respiratory system and skin.
<b>WHMIS Hazard Symbols:</b>	Class D – Irritant
<b>CERCLA Hazardous Substances:</b>	HYDROGEN SULFIDE (CAS 7783-06-4) – RQ 100 lb.
<b>California Proposition 65:</b>	This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive harm.
<b>Clean Air Act – Section 112:</b>	
<b>Title V:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>SC Toxic Air Pollutants List:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>Sara Title II – Section 313:</b>	There are no known ingredients subject to reporting.
<b>TSCA Inventory Status:</b>	All ingredients of this product are listed.

### Section 16: Other information

#### Indication of changes

<b>NFPA health hazard:</b>	1
<b>NFPA fire hazard:</b>	0
<b>NFPA reactivity:</b>	0
<b>Personal Protection Index:</b>	1

#### HMIS III Rating

<b>Health:</b>	1
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Special Hazard:</b>	None

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.





## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

**Product form:** Liquid  
**Substance name:** GuardTop Ultra  
**Synonyms:** Polymer Modified Asphalt Based Emulsion

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

<b>Classification of the substance or mixture:</b>	Eye Irritant	Category 2A
	Skin Corrosion/Irritation	Category 2
	Respiratory/Skin Sensitizer	Category 1



**Signal Word:** WARNING

#### Hazard Statements

- May cause skin and eye irritation.
- Fumes from heated material may be irritating.
- Aspiration hazard if swallowed.
- Substance may be harmful if swallowed irritating mouth, throat and/or stomach.
- Prolonged or excessive inhalation may cause respiratory tract irritation.
- Vapors may have a strong offensive odor which may cause headaches, nausea and vomiting.
- Symptoms of overexposure include: fatigue, tearing of eyes, burning sensation in the throat, cough, chest discomfort and skin irritation.

#### Precautionary Statements

- Obtain and read instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Exposure to hot material may cause thermal burns.



## GuardTop® Ultra High Performance Sealcoat

### Safety Data Sheet

### Section 3: Composition/information on ingredients

Chemical Name	Amount	CAS Number
Asphalt	< = 20.0%	8052-42-4
Water	< = 35.0%	7732-18-5
Aggregate Blend	< = 43.0%	14808-60-7
Carbon Black	> = 1.0%	1333-86-4
Hydrogen Sulfide	> 0.05%	7783-06-4
Cellulose Fiber	> = 1.0%	Mixture
Latex	< = 1.0 – 10.0%	Trade Secret

### Section 4: First aid measures

<b>First-aid measures general:</b>	Get prompt medical attention. Dilute with water. If solidified, treat as neat asphalt.
<b>First-aid measures after inhalation:</b>	At elevated temperatures, may cause irritation of the respiratory tract. Although this product is not known to cause respiratory problems, if breathing is difficult, safely remove victim to fresh air and provide oxygen. Get immediate medical attention.
<b>First-aid measures after skin contact:</b>	Wash skin with soap and water. Wear protective gloves to minimize skin contamination. For hot material exposure, DO NOT attempt to remove solidified material from the skin. DO NOT attempt to dissolve with solvents or thinners.
<b>First-aid measures after eye contact:</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Burns due to contact with heated material require immediate medical attention.
<b>First-aid measures after ingestion:</b>	Get immediate medical attention. Do not induce vomiting due to danger of aspirating liquid into lungs. Gastric lavage may be required.

### Most important symptoms and effects, both acute and delayed

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Irritation
<b>Chronic Effects:</b>	No known hazards in normal industrial use.

### Section 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	Use alcohol foam, carbon dioxide or water spray when fighting fires involving this material.
<b>Unsuitable extinguishing media:</b>	Exercise care when using water as contact with hot asphalt products - may produce steam and violent foaming.



## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Product is an aqueous solution. Heated product may produce hazardous fumes, decomposition products or residues. Small quantities of hydrogen sulfide may be released upon heating.
<b>Explosion hazard:</b>	None
<b>Reactivity:</b>	Avoid contact with strong bases.

### Advice for firefighters

<b>Firefighting instructions:</b>	Decomposition may produce fumes, smoke, oxides of carbon, hydrocarbons and possible small quantities of hydrogen sulfide. Avoid breathing vapors from heated material. Combustion may produce CO, NOx, Sox and reactive hydrocarbons.
<b>Protection during firefighting:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved and full protective gear.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>General measures:</b>	Clean up spills immediately using appropriate personal protective equipment.
<b>For non-emergency personnel</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Absorb spills with absorbent material. Contain spilled liquid with sand or earth.
<b>For emergency responders</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Stop the source of the leak or release. Clean up releases as soon as possible.

### Environmental precautions

Prevent contamination of soil, surface water or groundwater.

### Methods for containment/clean up

Absorb spills with inert material. Contain spilled liquid with sand or earth. Contain liquid to prevent contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.



## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Section 7: Handling and storage

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#### Precautions for safe handling

**Shelf Life:**

30 Days @ 77 degrees C (in original, sealed containers).

**Additional hazards when processed:**

When handling hot material, use protective clothing impervious to this material.

**Precautions for safe handling:**

Use good Hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work.

**Storage conditions:**

Do not store at temperatures above 82 degrees C.

### Section 8: Exposure controls/personal protection

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**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Eye/Face Protection Requirements:**

Where contact with this material is likely, eye protection is recommended.

**Skin Protection Requirements:**

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation and potential exposure.

**Respiratory Protection Requirements:**

Where there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### Exposure Guidelines:

**Hydrogen Sulfide:**

NIOSH REL  
OSHA PEL

C 10 ppm, 15 mg/m<sup>3</sup> (10 min.)  
C 20 ppm, 50 ppm (10 min.)



## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Section 9: Physical and chemical properties

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#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Asphalt Odor
<b>pH:</b>	10-11.5
<b>Melting point:</b>	0 C
<b>Freezing point:</b>	0 C
<b>Specific Gravity:</b>	1.4-1.7 (Water=1)
<b>Boiling point:</b>	100 degrees C @ 760 mm Hg
<b>Flash point:</b>	None
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Vapor pressure:</b>	Same as water mm Hg @ 21 degrees C
<b>Solubility:</b>	Soluble in water
<b>%Volatiles:</b>	<35% @ 21 degrees C @ 760 mm Hg
<b>VOC:</b>	<1

### Section 10: Stability and reactivity

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<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Avoid extreme temperatures.
<b>Incompatible materials:</b>	Avoid contact with strong bases.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Section 11: Toxicological information

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<b>Skin corrosion:</b>	May cause irritation and a rash with prolonged or repeated contact with skin.								
<b>Serious eye damage/irritation:</b>	Irritating, may injure eye tissue if not removed promptly.								
<b>Respiratory or skin sensitization:</b>	Repeated contact may cause skin irritation, prolonged inhalation may cause respiratory tract irritation.								
<b>Germ cell mutagenicity:</b>	None								
<b>Carcinogenicity:</b>	<table><tr><td>IARC</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</td></tr><tr><td>ACGIH</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.</td></tr><tr><td>NTP</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</td></tr><tr><td>OSHA</td><td>No components of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.</td></tr></table>	IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.
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ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.								
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.								
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.								
<b>Reproductive toxicity:</b>	This product contains one or more chemicals known to cause reproductive harm.								
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation, mild.								
<b>Specific target organ toxicity (repeated exposure):</b>	Skin, respiratory, kidney and liver.								
<b>Aspiration hazard:</b>	Respiratory distress as a result of aspiration.								
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.								
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation, burns if contact made with heated material.								
<b>Symptoms/injuries after ingestion:</b>	Harmful if swallowed, irritating to mouth, throat and stomach.								

### Section 12: Ecological information

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#### Environmental Hazards

This material should be prevented from uncontrolled applications to soil or earth. This material should be prevented from entering storm water, sewage drainage systems and bodies of water.



## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Section 13: Disposal considerations

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***Waste Disposal:***

This product, as supplied, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Recovery Act (RCRA), it is the responsibility of the user of the product to determine whether the material is a hazardous waste subject to RCRA. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements. Avoid disposal into wastewater treatment facilities.

***Contaminated Materials:***

Treat as product waste.

***Container Disposal:***

Unclean empty containers should be disposed of in the same manner as the contents.



## GuardTop® Ultra High Performance Sealcoat Safety Data Sheet

### Section 14: Transport information

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<b>Product Label:</b>	GuardTop Ultra Asphalt Based Emulsion
<b>UN Number:</b>	Non-hazardous, no UN number
<b>DOT Shipping Name:</b>	Non Regulated, Water Based Asphalt Emulsion
<b>DOT Hazard Class:</b>	Non-Hazardous

### Section 15: Regulatory information

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<b>EEC Symbols and Indications of Danger:</b>	Irritant (Xi)
<b>R-Phrases:</b>	R36/37/38 – Irritating to eyes, respiratory system and skin.
<b>WHMIS Hazard Symbols:</b>	Class D – Irritant
<b>CERCLA Hazardous Substances:</b>	HYDROGEN SULFIDE (CAS 7783-06-4) – RQ 100 lb.
<b>California Proposition 65:</b>	This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive harm.
<b>Clean Air Act – Section 112:</b>	
<b>Title V:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>SC Toxic Air Pollutants List:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>Sara Title II – Section 313:</b>	There are no known ingredients subject to reporting.
<b>TSCA Inventory Status:</b>	All ingredients of this product are listed.

### Section 16: Other information

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#### Indication of changes

<b>NFPA health hazard:</b>	1
<b>NFPA fire hazard:</b>	0
<b>NFPA reactivity:</b>	0
<b>Personal Protection Index:</b>	1

#### HMIS III Rating

<b>Health:</b>	1
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Special Hazard:</b>	None

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.





## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

**Product form:** Solid  
**Substance name:** Hot Pour Crack Filler by GuardTop®  
**Synonyms:** Pavement Crack and Joint Sealant

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

<b>Classification of the substance or mixture:</b>	Eye Irritant	Category 2A
	Skin Corrosion/Irritation	Category 2
	Respiratory/Skin Sensitizer	Category 1



**Signal Word:** WARNING

#### Hazard Statements

- May cause skin and eye irritation.
- Fumes from heated material may be irritating.
- Aspiration hazard if swallowed.
- Substance may be harmful if swallowed irritating mouth, throat and/or stomach.
- Prolonged or excessive inhalation may cause respiratory tract irritation.
- Vapors may have a strong offensive odor which may cause headaches, nausea and vomiting.
- Contact with heated material may cause eye burns and permanent tissue damage.
- Symptoms of overexposure include: fatigue, tearing of eyes, burning sensation in the throat, cough, chest discomfort and skin irritation
- Hot material may cause thermal burns.

#### Precautionary Statements

- Obtain and read instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Exposure to hot material may cause thermal burns.



## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 3: Composition/information on ingredients

Chemical Name	Amount	CAS Number
Petroleum Asphalt	10-75%	8052-42-4
Petroleum Distillate	0-10%	64741-96-4
Mineral Filler	15-75%	1317-65-3
Vulcanized, Ground Rubber	5-30%	N/A
Styrene-Isoprene Copolymer	5-10%	25038-32-8
Polyester Fibers	1-8%	25038-59-9
Styrene-Butadiene Copolymer	5-20%	9003-55-8

### Section 4: First aid measures

<b>First-aid measures general:</b>	Get prompt medical attention. Dilute with water. If solidified, treat as neat asphalt.
<b>First-aid measures after inhalation:</b>	At elevated temperatures, may cause irritation of the respiratory tract. Although this product is not known to cause respiratory problems, if breathing is difficult, safely remove victim to fresh air and provide oxygen. Get immediate medical attention.
<b>First-aid measures after skin contact:</b>	Wash skin with soap and water. Wear protective gloves to minimize skin contamination. For hot material exposure, DO NOT attempt to remove solidified material from the skin. DO NOT attempt to dissolve with solvents or thinners. Seek medical attention.
<b>First-aid measures after eye contact:</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Burns due to contact with heated material require immediate medical attention. Do not attempt to remove cooled material from eye. Seek medical attention.
<b>First-aid measures after ingestion:</b>	Get immediate medical attention. Do not induce vomiting due to danger of aspirating liquid into lungs. Gastric lavage may be required.

### Most important symptoms and effects, both acute and delayed

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Irritation
<b>Chronic Effects:</b>	No known hazards in normal industrial use.

### Section 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	Use water fog, dry chemical, carbon dioxide or foam for fighting fires involving this material.
<b>Unsuitable extinguishing media:</b>	Exercise care when using water as contact with hot asphalt products may produce steam and violent foaming.



## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Product is an aqueous solution. Heated product may produce hazardous fumes, decomposition products or residues. This material may ignite when sufficient heat is applied. Upon burning, this product will generate dense black smoke.
<b>Explosion hazard:</b>	None
<b>Reactivity:</b>	Avoid contact with strong bases.

### Advice for firefighters

<b>Firefighting instructions:</b>	Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons. Avoid breathing vapors from heated material. Combustion may produce CO, NOx, Sox and reactive hydrocarbons.
<b>Protection during firefighting:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved and full protective gear.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>General measures:</b>	Clean up spills immediately using appropriate personal protective equipment.
<b>For non-emergency personnel</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Absorb spills with absorbent material. Contain spilled liquid with sand or earth.
<b>For emergency responders</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Stop the source of the leak or release. Clean up releases as soon as possible.

### Environmental precautions

Prevent contamination of soil, surface water or groundwater.

### Methods for containment/clean up

Absorb spills with absorbent materials. Contain spilled liquid with sand or earth. Contain liquid to prevent contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.



## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 7: Handling and storage

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#### Precautions for safe handling:

##### *Shelf Life:*

Unheated material presents no known hazards. Observe good hygienic practices by thoroughly washing with soap and water before eating or using the restroom.

##### *Additional hazards when processed:*

When handling hot material, use protective clothing impervious to this material.

##### *Precautions for safe handling:*

Use good hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work.

##### *Storage conditions:*

Good general ventilation should be sufficient for most conditions.

### Section 8: Exposure controls/personal protection

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#### *Engineering Controls:*

Good general ventilation is recommended.

#### *Eye/Face Protection Requirements:*

Where contact with this material is likely, eye protection is recommended.

#### *Skin Protection Requirements:*

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation and potential exposure.

#### *Respiratory Protection Requirements:*

Where there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### *General Hygiene Considerations:*

When using do not smoke. Avoid contact with eyes, avoid contact with skin. Keep away from food and drink.

#### *Thermal Burns:*

During product use, there is a risk of thermal burns.

### Exposure Guidelines

#### *Components:*

Petroleum Asphalt  
Petroleum Distillate  
Mineral Filler  
Styrene-Butadiene Copolymer  
Vulcanized, Ground Rubber  
Styrene-Isoprene Copolymer  
Polyester Fibers

#### *Limit Value:*

5 mg/m<sup>3</sup>  
10 mg/m<sup>3</sup>  
10 mg/m<sup>3</sup>  
10 mg/m<sup>3</sup>  
N/A  
10 mg/m<sup>3</sup>  
N/A



## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 9: Physical and chemical properties

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#### Information on basic physical and chemical properties

<b>Physical state:</b>	Solid
<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Asphalt Odor
<b>pH:</b>	N/A
<b>Melting point:</b>	110 degrees C, 230 degrees F
<b>Viscosity:</b>	15-50 Poise
<b>Specific Gravity:</b>	1.10-1.30 (Water=1)
<b>Boiling point:</b>	>750 degrees F
<b>Flash point:</b>	>400 degrees F, >204 degrees C
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Vapor pressure:</b>	Not determined
<b>Solubility:</b>	Negligible
<b>Auto-Ignition Temp:</b>	>700 degrees F, >371 degrees C

### Section 10: Stability and reactivity

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<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Avoid extreme temperatures and oxidizers.
<b>Incompatible materials:</b>	Avoid contact with oxidizers.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly. Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of nitrogen, sulfur and water.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 11: Toxicological information

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<b>Skin corrosion:</b>	May cause irritation and a rash with prolonged or repeated contact with skin. Chronic exposure may defat skin.
<b>Serious eye damage/irritation:</b>	Irritating, may injure eye tissue if not removed promptly. Hot material may cause burn to eye. Do not remove cooled material, seek medical attention.
<b>Respiratory or skin sensitization:</b>	Repeated contact may cause skin irritation, prolonged inhalation may cause respiratory tract irritation.
<b>Germ cell mutagenicity:</b>	None
<b>Carcinogenicity:</b>	IARC has determined Asphalt may be carcinogenic in humans.
<b>Reproductive toxicity:</b>	No data available to indicate mutagenic or genotoxic hazard.
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation, mild.
<b>Specific target organ toxicity (repeated exposure):</b>	Skin, respiratory.
<b>Aspiration hazard:</b>	Respiratory distress as a result of aspiration.
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation. Burns if contact made with heated material.
<b>Symptoms/injuries after ingestion:</b>	Harmful if swallowed, irritating to mouth, throat and stomach.

### Section 12: Ecological information

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#### Environmental Hazards

This material should be prevented from uncontrolled applications to soil or earth. This material should be prevented from entering storm water, sewage drainage systems and bodies of water.

### Section 13: Disposal considerations

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<b>Waste Disposal:</b>	This product, as supplied, when discarded or disposed of, may be a hazardous waste according to federal regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine whether the material is a hazardous waste subject to RCRA. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements. Avoid disposal into wastewater treatment facilities.
<b>Contaminated Materials:</b>	Treat as product waste.
<b>Container Disposal:</b>	Unclean, empty containers should be disposed of in the same manner as the contents.



## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 14: Transport information

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<b>Product Label:</b>	Guard Top Crack Filler
<b>UN Number:</b>	Non-hazardous, no UN number when cool. When heated, ship as Elevated Temperature Liquid, N.O.S. (Asphalt), UN 3257, PG III, Class 9.
<b>DOT Shipping Name:</b>	Non Regulated, Water Based Asphalt Emulsion
<b>DOT Hazard Class:</b>	Non-Hazardous unless heated.
<b>IATA:</b>	Non-hazardous, elevated temperature material not permitted for transport.
<b>IMDG:</b>	Non-hazardous

### Section 15: Regulatory information

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<b>EEC Symbols and Indications of Danger:</b>	Irritant (Xi)
<b>R-Phrases:</b>	R36/37/38 – Irritating to eyes, respiratory system and skin
<b>WHMIS Hazard Symbols:</b>	Class D – Irritant
<b>CERCLA Hazardous Substances:</b>	No listing, this material in its solid form is not a hazardous substance and does not have a reportable quantity. However, if spilled in liquid form into the waters of the U.S., it may be reportable under the Clean Water Act.
<b>California Proposition 65:</b>	This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive harm.
<b>Sara Title II – Section 313:</b>	There are no known ingredients subject to reporting. If heated there are immediate and chronic health hazards.
<b>TSCA Inventory Status:</b>	All ingredients of this product are listed.
<b>State Regulations:</b>	The following chemicals are known to be specifically listed by individual states. For details on each state requirement, contact the appropriate state agency.
<i>Pennsylvania:</i>	Right-to-Know (Asphalt Fumes)
<i>Rhode Island:</i>	Hazardous Substances List (Asphalt Fumes)
<i>Florida:</i>	Hazardous Substances List (Asphalt Fumes)
<i>Minnesota:</i>	Right-to-Know (Asphalt Fumes)
<i>Massachusetts:</i>	Right-to-Know (Asphalt Fumes, Mineral Oil, Petroleum Distillates including heavy Naphthenic.
<i>New Jersey:</i>	Right-to-Know (Asphalt Fumes)
<i>Texas:</i>	Air Contaminants Screening Level
<i>Illinois:</i>	Toxic Substance Disclosure to Employees List
<i>California State:</i>	Superfund Hazardous Substance
<b>California Prop 65:</b>	Carcinogens or Reproductive Toxins List: Asphalt fumes of distillates





## Hot Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 16: Other information

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#### Indication of changes

<b>NFPA health hazard:</b>	1
<b>NFPA fire hazard:</b>	1
<b>NFPA reactivity:</b>	0
<b>Personal Protection Index:</b>	1

#### HMIS III Rating

<b>Health:</b>	1
<b>Flammability:</b>	1
<b>Reactivity:</b>	0
<b>Special Hazard:</b>	None

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.





# Cold Pour Crack Filler by GuardTop® Safety Data Sheet

## Section 1: Identification of the substance/mixture and of the company/undertaking

**Product form:** Liquid  
**Substance name:** Cold Pour Crack Filler by GuardTop®  
**Synonyms:** Pavement Crack and Joint Sealer

### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

### Emergency telephone number

CHEMTREC (800) 424-9300

## Section 2: Hazards identification

<b>Classification of the substance or mixture:</b>	Eye Irritant	Category 2A
	Skin Corrosion/Irritation	Category 2
	Respiratory/Skin Sensitizer	Category 1



**Signal Word:** WARNING

### Hazard Statements

- May cause skin and eye irritation.
- Fumes from heated material may be irritating.
- Aspiration hazard if swallowed.
- Substance may be harmful if swallowed irritating mouth, throat and/or stomach.
- Prolonged or excessive inhalation may cause respiratory tract irritation.
- Vapors may have a strong offensive odor which may cause headaches, nausea and vomiting.
- Contact with heated material may cause eye burns and permanent tissue damage.
- Symptoms of overexposure include: fatigue, tearing of eyes, burning sensation in the throat, cough, chest discomfort and skin irritation.
- Hot material may cause thermal burns.

### Precautionary Statements

- Obtain and read instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Exposure to hot material may cause thermal burns.



## Cold Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 3: Composition/information on ingredients

Chemical Name	Amount	CAS Number
Asphalt	40-45%	8052-42-4
Water	30-35%	7732-18-5
Compounded Clay	10.0%	Mixture
Hydrogen Sulfide	0-0.5%	7783-06-4
Emulsifier	<3.5%	Trade Secret
Latex	1.0-15%	Trade Secret

### Section 4: First aid measures

<b>First-aid measures general:</b>	Get prompt medical attention. Dilute with water. If solidified, treat as neat asphalt.
<b>First-aid measures after inhalation:</b>	At elevated temperatures, may cause irritation of the respiratory tract. Although this product is not known to cause respiratory problems, if breathing is difficult, safely remove victim to fresh air and provide oxygen. Get immediate medical attention.
<b>First-aid measures after skin contact:</b>	Wash skin with soap and water. Wear protective gloves to minimize skin contamination. For hot material exposure, DO NOT attempt to remove solidified material from the skin. DO NOT attempt to dissolve with solvents or thinners.
<b>First-aid measures after eye contact:</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Burns due to contact with heated material require immediate medical attention.
<b>First-aid measures after ingestion:</b>	Get immediate medical attention. Do not induce vomiting due to danger of aspirating liquid into lungs. Gastric lavage may be required.

### Most important symptoms and effects, both acute and delayed

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Irritation
<b>Chronic Effects:</b>	No known hazards in normal industrial use.

### Section 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
<b>Unsuitable extinguishing media:</b>	Exercise care when using water as contact with hot asphalt product may produce steam and violent foaming.



## Cold Pour Crack Filler by GuardTop® Safety Data Sheet

### Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Product is an aqueous solution. Heated product may produce hazardous fumes, decomposition products or residues. Small quantities of hydrogen sulfide may be released upon heating.
<b>Explosion hazard:</b>	None
<b>Reactivity:</b>	Avoid contact with strong bases.

### Advice for firefighters

<b>Firefighting instructions:</b>	Decomposition may produce fumes, smoke, oxides of carbon, hydrocarbons and possible small quantities of hydrogen sulfide. Avoid breathing vapors from heated material. Combustion may produce CO, NOx, SOx and reactive hydrocarbons.
<b>Protection during firefighting:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved and full protective gear.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>General measures:</b>	Clean up spills immediately using appropriate personal protective equipment.
<b>For non-emergency personnel</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Absorb spills with absorbent material. Contain spilled liquid with sand or earth.
<b>For emergency responders</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Stop the source of the leak or release. Clean up releases as soon as possible.

### Environmental precautions

Prevent contamination of soil, surface water or groundwater.

### Methods for containment/clean up

Absorb spills with absorbent materials. Contain spilled liquid with sand or earth. Contain liquid to prevent contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.



## Cold Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 7: Handling and storage

---

#### Precautions for safe handling:

##### *Shelf Life:*

30 Days @ 77 degrees C (in original, sealed containers).

##### *Additional hazards when processed:*

When handling hot material, use protective clothing impervious to this material.

##### *Precautions for safe handling:*

Use good Hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work.

##### *Storage conditions:*

Do not store at temperatures above 82 degrees C.

### Section 8: Exposure controls/personal protection

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#### *Engineering Controls:*

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### *Eye/Face Protection Requirements:*

Where contact with this material is likely, eye protection is recommended.

#### *Skin Protection Requirements:*

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation and potential exposure.

#### *Respiratory Protection Requirements:*

Where there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### Exposure Guidelines

##### *Hydrogen Sulfide:*

NIOSH REL  
OSHA PEL

C 10 ppm, 15 mg/m<sup>3</sup> (10 min.)  
C 20 ppm, 50 ppm (10 min.)



## Cold Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 9: Physical and chemical properties

---

#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Asphalt Odor
<b>pH:</b>	10-11.5
<b>Melting point:</b>	0 C
<b>Freezing point:</b>	0 C
<b>Specific Gravity:</b>	1.4-1.7 (Water=1)
<b>Boiling point:</b>	100 degrees C @ 760 mm Hg
<b>Flash point:</b>	None
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Vapor pressure:</b>	Same as water mm Hg @ 21 degrees C
<b>Solubility:</b>	Soluble in water
<b>%Volatiles:</b>	<35% @ 21 degrees C @ 760 mm Hg
<b>VOC:</b>	<1

### Section 10: Stability and reactivity

---

<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Avoid extreme temperatures.
<b>Incompatible materials:</b>	Avoid contact with strong bases.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## Cold Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 11: Toxicological information

---

<b>Skin corrosion:</b>	May cause irritation and a rash with prolonged or repeated contact with skin.
<b>Serious eye damage/irritation:</b>	Irritating, may injure eye tissue if not removed promptly.
<b>Respiratory or skin sensitization:</b>	Repeated contact may cause skin irritation, prolonged inhalation may cause respiratory tract irritation.
<b>Germ cell mutagenicity:</b>	None
<b>Carcinogenicity:</b>	IARC has determined Hydrochloric acid may be carcinogenic in humans.
<b>Reproductive toxicity:</b>	This product contains one or more chemicals known to cause reproductive harm.
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation, mild.
<b>Specific target organ toxicity (repeated exposure):</b>	Skin, respiratory, kidney and liver.
<b>Aspiration hazard:</b>	Respiratory distress as a result of aspiration.
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation. Burns if contact made with heated material.
<b>Symptoms/injuries after ingestion:</b>	Harmful if swallowed, irritating to mouth, throat and stomach.

### Section 12: Ecological information

---

#### Environmental Hazards

This material should be prevented from uncontrolled applications to soil or earth. This material should be prevented from entering storm water, sewage drainage systems and bodies of water.

### Section 13: Disposal considerations

---

<b>Waste Disposal:</b>	This product, as supplied, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Recovery Act (RCRA), it is the responsibility of the user of the product to determine whether the material is a hazardous waste subject to RCRA. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements. Avoid disposal into wastewater treatment facilities.
<b>Contaminated Materials:</b>	Treat as product waste.
<b>Container Disposal:</b>	Unclean empty containers should be disposed of in the same manner as the contents.



## Cold Pour Crack Filler by GuardTop® Safety Data Sheet

### Section 14: Transport information

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<b>Product Label:</b>	Cold Pour Crack Filler
<b>UN Number:</b>	Non-hazardous, no UN number
<b>DOT Shipping Name:</b>	Non Regulated, Water Based Asphalt Emulsion
<b>DOT Hazard Class:</b>	Non-Hazardous

### Section 15: Regulatory information

---

<b>EEC Symbols and Indications of Danger:</b>	Irritant (Xi)
<b>R-Phrases:</b>	R36/37/38 – Irritating to eyes, respiratory system and skin.
<b>WHMIS Hazard Symbols:</b>	Class D – Irritant
<b>CERCLA Hazardous Substances:</b>	HYDROGEN SULFIDE (CAS 7783-06-4) – RQ 100 lb.
<b>California Proposition 65:</b>	This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive harm.
<b>Clean Air Act – Section 112:</b>	
<b>Title V:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>SC Toxic Air Pollutants List:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>Sara Title II – Section 313:</b>	There are no known ingredients subject to reporting.
<b>TSCA Inventory Status:</b>	All ingredients of this product are listed.

### Section 16: Other information

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#### Indication of changes

<b>NFPA health hazard:</b>	1
<b>NFPA fire hazard:</b>	1
<b>NFPA reactivity:</b>	0
<b>Personal Protection Index:</b>	1

#### HMIS III Rating

<b>Health:</b>	1
<b>Flammability:</b>	1
<b>Reactivity:</b>	0
<b>Special Hazard:</b>	None

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.



## Oil Spot Primer by GuardTop® Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

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**Product form:** Solid  
**Substance name:** Oil Spot Primer by GuardTop®  
**Synonyms:** Concentrated Oil Spot Primer for Asphalt Surfaces

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

---

**Classification of the substance or mixture:** Not a hazardous substance or mixture.  
**Labelling (GHS):** No labeling according to GHS is required.  
**Other hazards:** No data available.

### Section 3: Composition/information on ingredients

---

**Chemical Name:** Copolymer of vinyl acetate + ethylene (dispersion in water)  
**Information on Ingredients:** This material does not contain any reportable hazardous ingredients.  
Substances listed in the Subsections "California Proposition 65 Carcinogens/Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic or they are inextricably bound in the product.

### Section 4: First aid measures

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**First-aid measures general:** Get prompt medical attention if irritation or other symptoms occur. Before seeking medical attention, remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.  
**First-aid measures after inhalation:** If inhaled as aerosol, remove to fresh air. No special measures required.  
**First-aid measures after skin contact:** If in contact with skin, wash skin with plenty of water or with water and soap.  
**First-aid measures after eye contact:** If material gets into eyes, immediately hold eyelids apart and flush with water for fifteen minutes.  
**First-aid measures after ingestion:** For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. Get medical attention if symptoms occur. Show label to medical personnel if possible.





## Oil Spot Primer by GuardTop®

### Safety Data Sheet

#### Section 5: Firefighting measures

---

**Flammable Properties:**

This product does not meet the definition of a flammable product. Dried material is combustible. This material does not present any unusual fire or explosion hazards.

**Extinguishing media**

**Suitable extinguishing media:**

Use water fog, dry chemical, carbon dioxide or foam for fighting fires involving this material. Water may be used to cool tanks and structures adjacent to the fire.

**Unsuitable extinguishing media:**

Not applicable.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

At low oxygen level, acetic acid.

**Advice for firefighters**

**Firefighting procedures:**

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

#### Section 6: Accidental release measures

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**Personal precautions, protective equipment and emergency procedures**

**General measures:**

Clean up spills immediately using appropriate personal protective equipment, if material is released, indicate risk of slipping.

**Containment:**

Prevent material from entering sewers or surface waters. Contain any fluid using earth or other suitable material. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center.

**Methods for clean up:**

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts, absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.



## Oil Spot Primer by GuardTop®

### Safety Data Sheet

## Section 7: Handling and storage

### Precautions for safe handling:

#### *Precautions for safe handling:*

Avoid exposure by technical measures or personal protective equipment. Spilled substances increase risk of slipping. No special precautions against fire and explosion are required.

#### *Storage conditions:*

Use good hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work.

Protect against frost. Minimum temperature allowed during storage and transportation is 0 degrees C or 32 degrees F.

## Section 8: Exposure controls/personal protection

### *Engineering Controls:*

Good general ventilation is recommended. No special ventilation is required.

### *Eye/Face Protection Requirements:*

Where contact with this material is likely, eye protection is recommended.

### *Skin Protection Requirements:*

Any liquid-tight rubber or vinyl gloves. Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls or protective suit should be worn if splashing could occur. Provide safety shower and eyewash.

### *Respiratory Protection Requirements:*

Respiratory protection is not normally required.

### *General Hygiene Considerations:*

When using, do not smoke. Avoid contact with eyes, avoid contact with skin. Keep away from food and drink. Wash thoroughly after handling.

### Exposure Guidelines

#### *Components:*

CAS #108-05-4 Vinyl Acetate

#### *Limit Value:*

ACGIH TWA

10.0 PPM

STEL

15 PPM

Carcinogenicity: A3 (ACGIH)



## Oil Spot Primer by GuardTop® Safety Data Sheet

### Section 9: Physical and chemical properties

---

#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	White
<b>Odor:</b>	Slight
<b>pH:</b>	5.0-6.5
<b>Melting point:</b>	Approx. 0.00 degrees C (32 degrees F)
<b>Viscosity:</b>	1300-2200 mPa.s at 25 degrees C (77 degrees F)
<b>Specific Gravity:</b>	1.05 g/cm <sup>3</sup> (Water=1)
<b>Boiling point:</b>	Approx. 100 degrees C (212 degrees F)
<b>Flash point:</b>	Not applicable
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Solubility:</b>	Moderately soluble
<b>Auto-Ignition Temp:</b>	N/A

### Section 10: Stability and reactivity

---

<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Do not store below freezing.
<b>Incompatible materials:</b>	None known.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly. Upon decomposition which would occur only at increased temperature, acetic acid.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## Oil Spot Primer by GuardTop® Safety Data Sheet

### Section 11: Toxicological information

---

<b>Skin corrosion:</b>	Skin irritation is not expected.
<b>Serious eye damage/irritation:</b>	Eye irritation is not expected.
<b>Respiratory or skin sensitization:</b>	No data available to indicate respirator or skin sensitization will occur.
<b>Germ cell mutagenicity:</b>	None
<b>Carcinogenicity:</b>	No data available to indicate carcinogenic hazard.
<b>Reproductive toxicity:</b>	No data available to indicate mutagenic or genotoxic hazard.
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation should not occur.
<b>Specific target organ toxicity (repeated exposure):</b>	No data available to indicate target organ toxicity.
<b>Aspiration hazard:</b>	No aspiration symptoms are expected.
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation.
<b>Symptoms/injuries after ingestion:</b>	No symptoms indicated in the event of ingestion.

### Section 12: Ecological information

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#### Environmental Hazards

No adverse effects are expected in the event of a spill involving this material. A polymer component is not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

### Section 13: Disposal considerations

---

<b>Waste Disposal:</b>	Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.
<b>Contaminated Materials:</b>	Treat as product waste. Recommended cleaning agent is water.
<b>Container Disposal:</b>	Unclean, empty containers should be disposed of in the same manner as the contents.

### Section 14: Transport information

---

<b>USDOT &amp; Canada TDG Surface:</b>	Not regulated for transport.
<b>Transport by sea IMDG-Code:</b>	Not regulated for transport.
<b>Air transport ICAO-TI/IATA-DGR:</b>	Not regulated for transport.



## Oil Spot Primer by GuardTop®

### Safety Data Sheet

## Section 15: Regulatory information

### US Federal Regulations:

#### **TSCA Inventory Status & TSCA Information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

#### **TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12 (b) regulated chemicals.

#### **CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

#### **SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

#### **SARA 313 Chemicals:**

This material does not contain any SARA 313 chemicals above de minimus levels.

### U.S. State Regulations:

#### **California Proposition 65 Carcinogens:**

75-07-0 Acetaldehyde (Upper limit wt. % <0.0023)

50-00-0 Formaldehyde (Upper limit wt. % <0.0163)

67-56-1 Methanol (Upper limit wt. % <0.0093)

#### **California Proposition 65 Reproductive Toxins:**

This material contains no listed components.

#### **Massachusetts Substance List:**

This material contains no listed components.

#### **New Jersey Right-to-Know Hazardous Substance List:**

This material contains no listed components.

#### **Pennsylvania Right-to-Know Hazardous Substance List:**

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

#### **Canadian Regulations:**

#### **WHMIS Hazard Classes:**

None

#### **Non-DSL Chemicals:**

This material does not contain any non-DSL chemicals.

## Section 16: Other information

### Indication of changes

**NFPA health hazard:** 1

**NFPA fire hazard:** 1

**NFPA reactivity:** 0

**Personal Protection Index:** 1

### HMIS III Rating

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Special Hazard:** None

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.



## Black Elixir Rapid Dry Additive by GuardTop® Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

**Product form:** Liquid

**Substance name:** Black Elixir Rapid Dry Additive by GuardTop®

**Synonyms:** Asphalt Sealer Rapid Dry Additive

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

**Classification of the substance or mixture:**

Eye Irritant	Category 2A
Skin Corrosion/Irritation	Category 3



**Signal Word:** WARNING

#### Hazard Statements

- May be harmful if swallowed.
- May cause mild skin irritation.
- Will cause eye irritation in the event of eye exposure.

#### Precautionary Statements

- Obtain and read instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Exposure to hot material may cause thermal burns.



## Black Elixir Rapid Dry Additive by GuardTop® Safety Data Sheet

### Section 3: Composition/information on ingredients

Chemical Name	Amount	CAS Number
Acrylic Polymer	<45.00%	NA Mixture
Asphalt Residual	<10.00%	08052-42-4
Methanol	<2.0%	67-56-1
Carbon Black	<5.0%	1333-86-4

### Section 4: First aid measures

<b>First-aid measures general:</b>	Remove from contaminated area.
<b>First-aid measures after inhalation:</b>	If breathing is difficult, remove to fresh air, give oxygen. Get immediate medical attention.
<b>First-aid measures after skin contact:</b>	Wash skin with soap and water. Wear protective glove to minimize skin contamination.
<b>First-aid measures after eye contact:</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Burns due to contact with heated material require immediate medical attention.
<b>First-aid measures after ingestion:</b>	If conscious, give two glasses of water or milk. Get immediate medical attention. Do not induce vomiting due to danger of aspirating liquid into lungs. Gastric lavage may be required.

### Most important symptoms and effects, both acute and delayed

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Irritation
<b>Chronic Effects:</b>	No known hazards in normal industrial use.

### Section 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	Dry chemical, carbon dioxide, water spray or foam.
<b>Unsuitable extinguishing media:</b>	Exercise care when using water as contact with hot asphalt products may produce steam and violent foaming.

#### Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Product is an aqueous solution. Heated product may produce hazardous fumes, decomposition products or residues. Small quantities of hydrogen sulfide may be released upon heating.
<b>Explosion hazard:</b>	None
<b>Reactivity:</b>	Avoid contact with strong bases.



## Black Elixir Rapid Dry Additive by GuardTop® Safety Data Sheet

### Advice for firefighters

#### **Firefighting instructions:**

Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons and possible small quantities of hydrogen sulfide. Avoid breathing vapors from heated material. Combustion may produce CO, NOx, Sox and reactive hydrocarbons.

#### **Protection during firefighting:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved and full protective gear.

## Section 6: Accidental release measures

---

### Personal precautions, protective equipment and emergency procedures

#### **General measures:**

Clean up spills immediately using appropriate personal protective equipment.

#### **For non-emergency personnel**

##### **Protective equipment:**

Gloves, safety glasses, boots.

##### **Emergency procedures:**

Absorb spills with absorbent material. Contain spilled liquid with sand or earth.

#### **For emergency responders**

##### **Protective equipment:**

Gloves, safety glasses, boots.

##### **Emergency procedures:**

Stop the source of the leak or release. Clean up releases as soon as possible.

### Environmental precautions

Prevent contamination of soil, surface water or groundwater.

### Methods for containment/clean up

Absorb spills with inert material. Contain spilled liquid with sand or earth. Contain liquid to prevent contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.

## Section 7: Handling and storage

---

### Precautions for safe handling

Use only as directed in well ventilated area. Avoid prolonged contact with skin. Avoid contact with eyes. Avoid breathing mist or vapors. Do not eat, smoke, or drink with contaminated hands. Do not discard into sewers or drains. Always wear personal protective equipment.

#### **Storage conditions:**

Keep all containers tightly sealed. Do not store in direct sunlight. Store at room temperature.





## Black Elixir Rapid Dry Additive by GuardTop® Safety Data Sheet

### Section 8: Exposure controls/personal protection

<b>Engineering Controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Eye/Face Protection Requirements:</b>	Where contact with this material is likely, eye protection is recommended.
<b>Skin Protection Requirements:</b>	Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation and potential exposure.
<b>Respiratory Protection Requirements:</b>	Where there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### Exposure Guidelines:

Methanol	OSHA PEL	200 mg/M3
Asphalt Residual	OSHA PEL	5 mg/M3
Carbon Black	OSHA PEL	3.5 mg/M3

### Section 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Asphalt Odor
<b>pH:</b>	7-8
<b>Freezing point:</b>	32 degrees F
<b>Specific Gravity:</b>	1.4-1.7 (Water=1)
<b>Boiling point:</b>	212 degrees F
<b>Flash point:</b>	None
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Vapor pressure:</b>	Same as water mm Hg @ 21 degrees C
<b>Solubility:</b>	Soluble in water
<b>Decomposition temperature:</b>	275 degrees F
<b>Viscosity:</b>	78 KU's



## Black Elixir Rapid Dry Additive by GuardTop® Safety Data Sheet

### Section 10: Stability and reactivity

---

<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Avoid extreme temperatures.
<b>Incompatible materials:</b>	Avoid contact with strong bases.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly.
<b>Polymerization:</b>	Hazardous polymerization will not occur.

### Section 11: Toxicological information

---

None Tested

### Section 12: Ecological information

---

#### Environmental Hazards

This product is considered to be biodegradable. There is no evidence to show that this product will cause adverse ecological effects on the environment.

### Section 13: Disposal considerations

---

<b>Waste Disposal:</b>	This product, as supplied, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Recovery Act (RCRA), it is the responsibility of the user of the product to determine whether the material is a hazardous waste subject to RCRA. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements. Avoid disposal into wastewater treatment facilities.
<b>Contaminated Materials:</b>	Treat as product waste.
<b>Container Disposal:</b>	Unclean empty containers should be disposed of in the same manner as the contents.

### Section 14: Transport information

---

<b>Product Label:</b>	Asphalt Sealer Rapid Dry Additive
<b>UN Number:</b>	Non-hazardous, no UN number
<b>DOT Shipping Name:</b>	Non Regulated, Water Based Asphalt Emulsion
<b>DOT Hazard Class:</b>	Non-Hazardous

### Section 15: Regulatory information

---

None



## Black Elixir Rapid Dry Additive by GuardTop® Safety Data Sheet

### Section 16: Other information

---

#### Indication of changes

<b>NFPA health hazard:</b>	1
<b>NFPA fire hazard:</b>	0
<b>NFPA reactivity:</b>	0
<b>Personal Protection Index:</b>	1

#### HMIS III Rating

<b>Health:</b>	1
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Special Hazard:</b>	None

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.



## Latex Additive by GuardTop® Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

---

**Product form:** Solid  
**Substance name:** Latex Additive by GuardTop®  
**Synonyms:** Polymer Modifier

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

---

**Classification of the substance or mixture:** Not a hazardous substance or mixture.  
**Labelling (GHS):** No labeling according to GHS is required.  
**Other hazards:** No data available.

### Section 3: Composition/information on ingredients

---

**Chemical Name:** Copolymer of vinyl acetate + ethylene (dispersion in water)  
**Information on Ingredients:** This material does not contain any reportable hazardous ingredients.  
Substances listed in the Subsections "California Proposition 65 Carcinogens/Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic or they are inextricably bound in the product.

### Section 4: First aid measures

---

**First-aid measures general:** Get prompt medical attention if irritation or other symptoms occur. Before seeking medical attention, remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.  
**First-aid measures after inhalation:** If inhaled as aerosol, remove to fresh air. No special measures required.  
**First-aid measures after skin contact:** If in contact with skin, wash skin with plenty of water or with water and soap.  
**First-aid measures after eye contact:** If material gets into eyes, immediately hold eyelids apart and flush with water for fifteen minutes.  
**First-aid measures after ingestion:** For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. Get medical attention if symptoms occur. Show label to medical personnel if possible.



## Latex Additive by GuardTop® Safety Data Sheet

### Section 5: Firefighting measures

---

**Flammable Properties:**

This product does not meet the definition of a flammable product. Dried material is combustible. This material does not present any unusual fire or explosion hazards.

**Extinguishing media**

**Suitable extinguishing media:**

Use water fog, dry chemical, carbon dioxide or foam for fighting fires involving this material. Water may be used to cool tanks and structures adjacent to the fire.

**Unsuitable extinguishing media:**

Not applicable.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

At low oxygen level, acetic acid.

**Advice for firefighters**

**Firefighting procedures:**

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

### Section 6: Accidental release measures

---

**Personal precautions, protective equipment and emergency procedures**

**General measures:**

Clean up spills immediately using appropriate personal protective equipment, if material is released, indicate risk of slipping.

**Containment:**

Prevent material from entering sewers or surface waters. Contain any fluid using earth or other suitable material. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center.

**Methods for clean up:**

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts, absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.



## Latex Additive by GuardTop® Safety Data Sheet

### Section 7: Handling and storage

---

#### Precautions for safe handling:

##### *Precautions for safe handling:*

Avoid exposure by technical measures or personal protective equipment. Spilled substances increase risk of slipping. No special precautions against fire and explosion are required.

##### *Storage conditions:*

Use good hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work. Protect against frost. Minimum temperature allowed during storage and transportation is 0 degrees C or 32 degrees F.

### Section 8: Exposure controls/personal protection

---

#### *Engineering Controls:*

Good general ventilation is recommended. No special ventilation is required.

#### *Eye/Face Protection Requirements:*

Where contact with this material is likely, eye protection is recommended.

#### *Skin Protection Requirements:*

Any liquid-tight rubber or vinyl gloves. Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls or protective suit should be worn if splashing could occur. Provide safety shower and eyewash.

#### *Respiratory Protection Requirements:*

Respiratory protection is not normally required.

#### *General Hygiene Considerations:*

When using, do not smoke. Avoid contact with eyes, avoid contact with skin. Keep away from food and drink. Wash thoroughly after handling.

#### Exposure Guidelines

##### *Components:*

CAS #108-05-4 Vinyl Acetate

##### *Limit Value:*

ACGIH TWA

10.0 PPM

STEL

15 PPM

Carcinogenicity: A3 (ACGIH)



## Latex Additive by GuardTop® Safety Data Sheet

### Section 9: Physical and chemical properties

---

#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	White
<b>Odor:</b>	Slight
<b>pH:</b>	5.0-6.5
<b>Melting point:</b>	Approx. 0.00 degrees C (32 degrees F)
<b>Viscosity:</b>	1300-2200 mPa.s at 25 degrees C (77 degrees F)
<b>Specific Gravity:</b>	1.05 g/cm <sup>3</sup> (Water=1)
<b>Boiling point:</b>	Approx. 100 degrees C (212 degrees F)
<b>Flash point:</b>	Not applicable
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Solubility:</b>	Moderately soluble
<b>Auto-Ignition Temp:</b>	N/A

### Section 10: Stability and reactivity

---

<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Do not store below freezing.
<b>Incompatible materials:</b>	None known.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly. Upon decomposition which would occur only at increased temperature, acetic acid.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## Latex Additive by GuardTop®

### Safety Data Sheet

#### Section 11: Toxicological information

---

<b>Skin corrosion:</b>	Skin irritation is not expected.
<b>Serious eye damage/irritation:</b>	Eye irritation is not expected.
<b>Respiratory or skin sensitization:</b>	No data available to indicate respirator or skin sensitization will occur.
<b>Germ cell mutagenicity:</b>	None
<b>Carcinogenicity:</b>	No data available to indicate carcinogenic hazard.
<b>Reproductive toxicity:</b>	No data available to indicate mutagenic or genotoxic hazard.
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation should not occur.
<b>Specific target organ toxicity (repeated exposure):</b>	No data available to indicate target organ toxicity.
<b>Aspiration hazard:</b>	No aspiration symptoms are expected.
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation.
<b>Symptoms/injuries after ingestion:</b>	No symptoms indicated in the event of ingestion.

#### Section 12: Ecological information

---

##### Environmental Hazards

No adverse effects are expected in the event of a spill involving this material. A polymer component is not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

#### Section 13: Disposal considerations

---

<b>Waste Disposal:</b>	Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.
<b>Contaminated Materials:</b>	Treat as product waste. Recommended cleaning agent is water.
<b>Container Disposal:</b>	Unclean, empty containers should be disposed of in the same manner as the contents.

#### Section 14: Transport information

---

<b>USDOT &amp; Canada TDG Surface:</b>	Not regulated for transport.
<b>Transport by sea IMDG-Code:</b>	Not regulated for transport.
<b>Air transport ICAO-TI/IATA-DGR:</b>	Not regulated for transport.





## Latex Additive by GuardTop® Safety Data Sheet

### Section 15: Regulatory information

---

#### US Federal Regulations:

##### **TSCA Inventory Status & TSCA Information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

##### **TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12 (b) regulated chemicals.

##### **CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

##### **SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

##### **SARA 313 Chemicals:**

This material does not contain any SARA 313 chemicals above de minimus levels.

#### U.S. State Regulations:

##### **California Proposition 65 Carcinogens:**

75-07-0 Acetaldehyde (Upper limit wt. % <0.0023)

50-00-0 Formaldehyde (Upper limit wt. % <0.0163)

67-56-1 Methanol (Upper limit wt. % <0.0093)

##### **California Proposition 65 Reproductive Toxins:**

This material contains no listed components.

##### **Massachusetts Substance List:**

This material contains no listed components.

##### **New Jersey Right-to-Know Hazardous Substance List:**

This material contains no listed components.

##### **Pennsylvania Right-to-Know Hazardous Substance List:**

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

##### **Canadian Regulations:**

##### **WHMIS Hazard Classes:**

None

##### **Non-DSL Chemicals:**

This material does not contain any non-DSL chemicals.

### Section 16: Other information

---

#### Indication of changes

**NFPA health hazard:** 1

**NFPA fire hazard:** 1

**NFPA reactivity:** 0

**Personal Protection Index:** 1

#### HMIS III Rating

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Special Hazard:** None

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## SAFETY DATA SHEET

Prepared in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200

### SECTION 1: IDENTIFICATION

<b>PRODUCT</b>	<b>TIRE RUBBER MODIFIED SURFACE SEAL</b>
<b>SYNONYMS</b>	TRMSS
<b>RECOMMENDED USE</b>	Asphalt Sealer
<b>RECOMMENDED RESTRICTIONS</b>	No Information Available

### MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION

<b>MANUFACTURER</b>	GuardTop, LLC
<b>ADDRESS</b>	32834 Pacific Coast Highway Suite 210 Dana Point, CA 92629
<b>WEBSITE</b>	<a href="http://www.guardtop.com">www.guardtop.com</a>
<b>TELEPHONE</b>	1-800-882-6541
<b>24-HOUR EMERGENCY</b>	CHEMTREC North America 1-800-424-9300; International 1-703-527-3887

### SECTION 2 : HAZARD(S) IDENTIFICATION

#### EMERGENCY OVERVIEW HEALTH HAZARDS

This product is a tan to dark brown viscous liquid with a mild odor. Exposure to this product can be irritating to the eyes, respiratory system, and skin. Heated material can cause thermal burns. Heated material may liberate hydrogen sulfide. Long-term exposure to high concentrations of asphalt fumes may cause chronic bronchitis and pneumonitis.

#### ENVIRONMENTAL HAZARDS

The environmental effects of this product have not been investigated. This material is not expected to be toxic to aquatic organisms.

#### LABEL ELEMENTS

US DOT Symbol

Non-Regulated

Canada (WHMIS)Symbol



European and GHS Hazard Symbol



Signal Word Warning!

#### GHS Hazard Classification(s) Hazard Statements

Acute Toxicity Inhalation Category 4  
H319: Causes serious eye irritation  
H315: Causes skin irritation  
H332: Harmful if inhaled  
H335: May cause respiratory irritation  
P260: Do not breathe dust/fume/gas/mist/vapors/spray  
P264: Wash hands thoroughly after handling  
P271: Use only in well-ventilated area  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary Statements

#### Hazard Symbol(s)

#### Risk Phrases

#### Safety Phrases

Warning  
\* Harmful if Inhaled  
R26: Very toxic by inhalation  
R36/37/38: Irritating to eyes, respiratory system and skin  
S24/25: Avoid contact with skin and eyes

**Material Name: TIRE RUBBER MODIFIED SURFACE SEAL**

0012 Version #: 01 Issue Date: 10-02-2019

S36: Wear suitable protective clothing  
S37/39: Wear suitable gloves and eye/face protection  
S45: In case of accident or if you feel unwell, seek medical advice immediately.

#### SUPPLEMENTAL INFORMATION

Vapors containing hydrogen sulfide may accumulate during storage or transport. HYDROGEN SULFIDE (H<sub>2</sub>S) can be harmful or fatal if inhaled. H<sub>2</sub>S is a flammable gas.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	PERCENT
WATER		7732-18-5	53-61
PETROLEUM ASPHALT	Bitumen, Asphalt, Asphalt Cement	8052-42-4	30-38
GROUND TIRE RUBBER		133-86-4	5
NAPHTHENIC/AROMATIC OIL		64742-0407	<0.5
CARBON BLACK		1333-86-4	<0.3
ZINC OXIDE		1314-13-2	<0.05
SEPOLITE CLAY		63800-37-2	< 4.0
FATTY AMINE SALT		TSCA Listed	<0.5

#### COMPOSITION COMMENTS

Values do not reflect absolute minimums and maximums; these values are typical and may vary from time to time. Asphaltic materials can contain hydrogen sulfide, because it is naturally occurring in the crude oil from which asphalt is derived. Hydrogen sulfide can also be present as a byproduct of asphalt processing. This Safety Data Sheet is intended to communicate potential health hazards and potential physical hazards associated with the product(s) covered by this sheet, and it not intended to communicate product specific information.

### SECTION 4 : FIRST-AID MEASURES

#### INHALATION

If respiratory symptoms develop from exposure to fumes, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is no breathing, clear airway and immediately begin artificial respiration. If breathing becomes difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

#### SKIN CONTACT

If clothing sticks to the skin, do not remove. Lotion or hand cream may aid in the removal of asphalt. Wash contact areas with soap and water. If needed, seek medical attention.

#### EYE CONTACT

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. If irritation or redness develops from exposure to fumes, move victim away from exposure and into fresh air. Flush eyes with clean water.

#### INGESTION

Rinse mouth. DO NOT induce vomiting. Get medical attention immediately. If ingestion of a large amount does occur, call a poison control center immediately.

#### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Direct contact with eyes may cause temporary irritation.

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

#### GENERAL INFORMATION

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### SECTION 5: FIRE-FIGHTING MEASURES

#### SUITABLE EXTINGUISHING MEDIA

Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### UNSUITABLE EXTINGUISHING MEDIA

Water. Do not use water jet as an extinguisher, as this will spread the fire.

#### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Fire may cause irritating and toxic gases or fumes may be released.

#### SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection.

#### FIRE-FIGHTING EQUIPMENT/INSTRUCTIONS

ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. Use of foam or water may cause frothing.

#### SPECIFIC METHODS

In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the SDS.

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

This product is miscible in water.

**LARGE SPILLS:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas.

**SMALL SPILLS:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Ventilate area and avoid breathing vapors or mist. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**ENVIRONMENTAL PRECAUTIONS** Avoid discharge into drains, water courses or onto the ground.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Avoid prolonged exposure. Use only in well-ventilated areas. Hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

### CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES

Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Do not allow material to freeze.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
PETROLEUM ASPHALT (CAS 8052-42-4)		Not Listed

### US. ACGIH THRESHOLD LIMIT VALUES

Components	Type	Value	Form
PETROLEUM ASPHALT (CAS 8052-42-4)	TWA	0.5 mg/m <sup>3</sup>	Inhalable fraction

### US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

Components	Type	Value	Form
PETROLEUM ASPHALT (CAS 8052-42-4)	Ceiling	5 mg/m <sup>3</sup>	Fume

### BIOLOGICAL LIMIT VALUES

No biological exposure limits noted for the ingredient(s).

### APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT

<b>EYE/FACE PROTECTION</b>	Safety glasses. Wear chemical goggles if there is a risk of splashes.
<b>HAND PROTECTION</b>	Chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.
<b>OTHER</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact. Plastic or rubber gloves, apron and boots.
<b>RESPIRATORY PROTECTION</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>THERMAL HAZARDS</b>	Wear appropriate thermal protective clothing, when necessary.

### GENERAL HYGIENE CONSIDERATIONS

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brown/black liquid
PHYSICAL STATE	Liquid
COLOR	tan to dark brown
ODOR	Mild
ODOR THRESHOLD	Not Available
pH	7-9
MELTING POINT/FREEZING POINT	Not Available
INITIAL BOILING POINT	212°F (100 °C)
FLASH POINT	400.0 °F (204.4 °C) COC
EVAPORATION RATE	< 1
FLAMMABILITY (SOLID, GAS)	Not Available
FLAMMABILITY LIMIT – LOWER (%)	Not Available
FLAMMABILITY LIMIT - UPPER (%)	Not Available
EXPLOSIVE LIMIT – LOWER (%)	Not Available
EXPLOSIVE LIMIT – UPPER (%)	Not Available
VAPOR PRESSURE	< 1 mm Hg at 70°F
VAPOR DENSITY	> 1
RELATIVE DENSITY	0.8 - 1.10
SOLUBILITY (WATER)	Soluble
PARTITION COEFFICIENT (n-octanol/water)	Not Available
AUTO-IGNITION TEMPERATURE	> 700 °F (> 371.11 °C)
DECOMPOSITION TEMPERATURE	Not Available
VISCOSITY	Not Available

## SECTION 10: STABILITY & REACTIVITY

### REACTIVITY

The product is stable and non-reactive under normal conditions of use, storage and transport.

### CHEMICAL STABILITY

Stable under normal temperature conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization does not occur.

### CONDITIONS TO AVOID

Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not overheat product.

### INCOMPATIBLE MATERIALS

Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen sulfide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

INGESTION	Expected to be a low digestion hazard.
INHALATION	Prolonged inhalation may be harmful.
SKIN CONTACT	No adverse effects due to skin contact are expected.
EYE CONTACT	Harmful if contacted with eyes.

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Not available

### INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	Not available
SKIN CORROSION/IRRITATION	Prolonged skin contact may cause temporary irritation.
SERIOUS EYE DAMAGE/EYE IRRITATION	Contact with eyes harmful.

### RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY SENSITIZATION	Not available
SKIN SENSITIZATION	May cause skin disorders with prolonged or repeated contact.

### GERM CELL MUTAGENICITY

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### CARCINOGENICITY

Risk of cancer cannot be excluded with prolonged exposure. IARC: occupational exposures to straight-run bitumen and their emissions during road paving are "possibly carcinogenic to humans" (Group 2B)

### IARC MONOGRAPHS. OVERALL EVALUATION OF CARCINOGENICITY

ASPHALT (CAS 8052-42-4)	2B Possibly carcinogenic to humans.
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### US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050)

Not listed

REPRODUCTIVE TOXICITY	Not available
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### SPECIFIC TARGET ORGAN TOXICITY

- single exposure	Not available
- repeated exposure	Not available

### ASPIRATION HAZARD

CHRONIC EFFECTS	Not available
	Prolonged inhalation may be harmful.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY** Not expected to be harmful to aquatic organisms.

**PERSISTENCE AND DEGRADABILITY** No data is available on the degradability of this product.

**BIOACCUMULATIVE POTENTIAL** No data available.



**MOBILITY IN SOIL** No data available.

**OTHER ADVERSE EFFECTS** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13: DISPOSAL INFORMATION

**DISPOSAL INSTRUCTIONS** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. No components are identified as hazardous wastes. Disposal recommendations are based on uncontaminated material.

**LOCAL DISPOSAL REGULATIONS** Dispose in accordance with all applicable regulations.

**HAZARDOUS WASTE CODE** The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Not applicable.

**WASTE FROM RESIDUES /UNUSED PRODUCTS** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Avoid discharge into water courses or onto the ground.

**CONTAMINATED PACKAGING** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### SECTION 14: TRANSPORTATION INFORMATION

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE** Not Available

### SECTION 15: REGULATORY INFORMATION

**US FEDERAL REGULATIONS** All components are on the U.S. EPA TSCA Inventory List.

**TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D)** Not Regulated

**CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4)**

**ASPHALT (CAS 8052-42-4)** Listed

**US EPCRA SECTION 304 EXTREMELY HAZ. SUBS. & CERCLA HAZ. SUBS.:**

**SECTION 304 EHS REPORTABLE QUANTITY**

Not Regulated

**US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050)** Not Listed



**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE** Not Listed

**SARA 311/312 HAZARDOUS CHEMICAL** No

**SARA 313 (TRI REPORTING)** Not Regulated

**OTHER FEDERAL REGULATIONS**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** Not Regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not Regulated

**SAFE DRINKING WATER ACT (SDWA)** Not Regulated

**DRUG ENFORCEMENT ADMINISTRATION (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))**  
Not Regulated

**DEA ESSENTIAL CHEMICAL CODE NUMBER** Not Regulated

**DRUG ENFORCEMENT ADMINISTRATION (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**  
Not Regulated

**DEA EXEMPT CHEMICAL MIXTURES CODE NUMBER** Not Regulated

**US STATE REGULATIONS**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

**US. Massachusetts RTK - Substance List**

ASPHALT (CAS 8052-42-4)

**US. New Jersey Worker and Community Right-to-Know Act**

Not Regulated

**US. Pennsylvania RTK - Hazardous Substances**

ASPHALT (CAS 8052-42-4)

**US. Rhode Island RTK**

Not Regulated

**US. California Proposition 65**

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ASPHALT (CAS 8052-42-4) Listed: January 1, 1990

**INTERNATIONAL INVENTORIES**

**Country(s) or region Inventory name On inventory (yes/no)\***

Australia Australian Inventory of Chemical Substances (AICS) Yes

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe European List of Notified Chemical Substances (ELINCS) No  
Japan Inventory of Existing and New Chemical Substances (ENCS) Yes  
Korea Existing Chemicals List (ECL) Yes  
New Zealand New Zealand Inventory Yes  
Philippines Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes  
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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### SECTION 16: OTHER INFORMATION



NFPA LABEL

ISSUE DATE 05-29-2015

VERSION # 01

DISCLAIMER

**IMPORTANT:** The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. **NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE.** This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and GuardTop LLC. assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer.



## GuardTop® LSTR Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

**Product form:** Liquid  
**Substance name:** GuardTop® LSTR  
**Synonyms:** Asphalt Based Emulsion

#### Manufacturer

GuardTop LLC  
32834 Pacific Coast Highway, Suite 210  
Dana Point, CA 92629  
(877) 948-2738

#### Emergency telephone number

CHEMTREC (800) 424-9300

### Section 2: Hazards identification

<b>Classification of the substance or mixture:</b>	Eye Irritant	Category 2A
	Skin Corrosion/Irritation	Category 2
	Respiratory/Skin Sensitizer	Category 1



**Signal Word:** WARNING

#### Hazard Statements

- May cause skin and eye irritation.
- Fumes from heated material may be irritating.
- Aspiration hazard if swallowed.
- Substance may be harmful if swallowed irritating mouth, throat and/or stomach.
- Prolonged or excessive inhalation may cause respiratory tract irritation.
- Vapors may have a strong offensive odor which may cause headaches, nausea and vomiting.
- Symptoms of overexposure include: fatigue, tearing of eyes, burning sensation in the throat, cough, chest discomfort and skin irritation.

#### Precautionary Statements

- Obtain and read instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Exposure to hot material may cause thermal burns.



## GuardTop® LSTR Safety Data Sheet

### Section 3: Composition/information on ingredients

Chemical Name	Amount	CAS Number
Asphalt	<20%	8052-42-4
Ground Tire Rubber	<5.0%	133-86-4
Water	<45%	7732-18-5
Aggregate Blend	>30%	14808-60-7
Carbon Black	2.0%	1333-86-4
Hydrogen Sulfide	<0.05%	7783-06-4
Cellulose Fiber	<2.0%	Mixture

### Section 4: First aid measures

<b>First-aid measures general:</b>	Get prompt medical attention. Dilute with water. If solidified, treat as neat asphalt.
<b>First-aid measures after inhalation:</b>	At elevated temperatures, may cause irritation of the respiratory tract. Although this product is not known to cause respiratory problems, if breathing is difficult, safely remove victim to fresh air and provide oxygen. Get immediate medical attention.
<b>First-aid measures after skin contact:</b>	Wash skin with soap and water. Wear protective gloves to minimize skin contamination. For hot material exposure, DO NOT attempt to remove solidified material from the skin. DO NOT attempt to dissolve with solvents or thinners.
<b>First-aid measures after eye contact:</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Burns due to contact with heated material require immediate medical attention.
<b>First-aid measures after ingestion:</b>	Get immediate medical attention. Do not induce vomiting due to danger of aspirating liquid into lungs. Gastric lavage may be required.

### Most important symptoms and effects, both acute and delayed

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Irritation
<b>Chronic Effects:</b>	No known hazards in normal industrial use.

### Section 5: Firefighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	Use alcohol foam, carbon dioxide or water spray when fighting fires involving this material.
<b>Unsuitable extinguishing media:</b>	Exercise care when using water as contact with hot asphalt products - may produce steam and violent foaming.



## GuardTop® LSTR Safety Data Sheet

### Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Product is an aqueous solution. Heated product may produce hazardous fumes, decomposition products or residues. Small quantities of hydrogen sulfide may be released upon heating.
<b>Explosion hazard:</b>	None
<b>Reactivity:</b>	Avoid contact with strong bases.

### Advice for firefighters

<b>Firefighting instructions:</b>	Decomposition may produce fumes, smoke, oxides of carbon, hydrocarbons and possible small quantities of hydrogen sulfide. Avoid breathing vapors from heated material. Combustion may produce CO, NOx, Sox and reactive hydrocarbons.
<b>Protection during firefighting:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved and full protective gear.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>General measures:</b>	Clean up spills immediately using appropriate personal protective equipment.
<b>For non-emergency personnel</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Absorb spills with absorbent material. Contain spilled liquid with sand or earth.
<b>For emergency responders</b>	
<b>Protective equipment:</b>	Gloves, safety glasses, boots.
<b>Emergency procedures:</b>	Stop the source of the leak or release. Clean up releases as soon as possible.

### Environmental precautions

Prevent contamination of soil, surface water or groundwater.

### Methods for containment/clean up

Absorb spills with inert material. Contain spilled liquid with sand or earth. Contain liquid to prevent contamination of soil, surface water or groundwater. Large spillage should be dammed-off and pumped into containers.



## GuardTop® LSTR Safety Data Sheet

### Section 7: Handling and storage

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#### Precautions for safe handling

**Shelf Life:**

30 Days @ 77 degrees C (in original, sealed containers).

**Additional hazards when processed:**

When handling hot material, use protective clothing impervious to this material.

**Precautions for safe handling:**

Use good Hygiene measures: wash exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work.

**Storage conditions:**

Do not store at temperatures above 82 degrees C.

### Section 8: Exposure controls/personal protection

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**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Eye/Face Protection Requirements:**

Where contact with this material is likely, eye protection is recommended.

**Skin Protection Requirements:**

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation and potential exposure.

**Respiratory Protection Requirements:**

Where there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### Exposure Guidelines:

**Hydrogen Sulfide:**

NIOSH REL  
OSHA PEL

C 10 ppm, 15 mg/m<sup>3</sup> (10 min.)  
C 20 ppm, 50 ppm (10 min.)



## GuardTop® LSTR Safety Data Sheet

### Section 9: Physical and chemical properties

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#### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Asphalt Odor
<b>pH:</b>	10-11.5
<b>Melting point:</b>	0 C
<b>Freezing point:</b>	0 C
<b>Specific Gravity:</b>	1.4-1.7 (Water=1)
<b>Boiling point:</b>	100 degrees C @ 760 mm Hg
<b>Flash point:</b>	None
<b>UEL:</b>	N/A
<b>LEL:</b>	N/A
<b>Vapor pressure:</b>	Same as water mm Hg @ 21 degrees C
<b>Solubility:</b>	Soluble in water
<b>%Volatiles:</b>	<35% @ 21 degrees C @ 760 mm Hg
<b>VOC:</b>	<1

### Section 10: Stability and reactivity

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<b>Reactivity:</b>	Low
<b>Chemical stability:</b>	This compound is stable at ambient conditions.
<b>Possibility of hazardous reactions:</b>	Low
<b>Conditions to avoid:</b>	Avoid extreme temperatures.
<b>Incompatible materials:</b>	Avoid contact with strong bases.
<b>Hazardous decomposition product:</b>	Decomposition will not occur if handled and stored properly.
<b>Polymerization:</b>	Hazardous polymerization will not occur.



## GuardTop® LSTR Safety Data Sheet

### Section 11: Toxicological information

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<b>Skin corrosion:</b>	May cause irritation and a rash with prolonged or repeated contact with skin.
<b>Serious eye damage/irritation:</b>	Irritating, may injure eye tissue if not removed promptly.
<b>Respiratory or skin sensitization:</b>	Repeated contact may cause skin irritation, prolonged inhalation may cause respiratory tract irritation.
<b>Germ cell mutagenicity:</b>	None
<b>Carcinogenicity:</b>	IARC has determined Hydrochloric acid may be carcinogenic in humans.
<b>Reproductive toxicity:</b>	This product contains one or more chemicals known to cause reproductive harm.
<b>Specific target organ toxicity (single exposure):</b>	Skin and/or respiratory irritation, mild.
<b>Specific target organ toxicity (repeated exposure):</b>	Skin, respiratory, kidney and liver.
<b>Aspiration hazard:</b>	Respiratory distress as a result of aspiration.
<b>Symptoms/injuries after inhalation:</b>	Respiratory tract irritation, cough, chest discomfort.
<b>Symptoms/injuries after eye contact:</b>	Eye tearing, irritation, burns if contact made with heated material.
<b>Symptoms/injuries after ingestion:</b>	Harmful if swallowed, irritating to mouth, throat and stomach.

### Section 12: Ecological information

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#### Environmental Hazards

This material should be prevented from uncontrolled applications to soil or earth. This material should be prevented from entering storm water, sewage drainage systems and bodies of water.

### Section 13: Disposal considerations

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<b>Waste Disposal:</b>	This product, as supplied, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Recovery Act (RCRA), it is the responsibility of the user of the product to determine whether the material is a hazardous waste subject to RCRA. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements. Avoid disposal into wastewater treatment facilities.
<b>Contaminated Materials:</b>	Treat as product waste.
<b>Container Disposal:</b>	Unclean empty containers should be disposed of in the same manner as the contents.





## GuardTop® LSTR Safety Data Sheet

### Section 14: Transport information

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<b>Product Label:</b>	Guard Top Asphalt Based Emulsion
<b>UN Number:</b>	Non-hazardous, no UN number
<b>DOT Shipping Name:</b>	Non Regulated, Water Based Asphalt Emulsion
<b>DOT Hazard Class:</b>	Non-Hazardous

### Section 15: Regulatory information

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<b>EEC Symbols and Indications of Danger:</b>	Irritant (Xi)
<b>R-Phrases:</b>	R36/37/38 – Irritating to eyes, respiratory system and skin.
<b>WHMIS Hazard Symbols:</b>	Class D – Irritant
<b>CERCLA Hazardous Substances:</b>	HYDROGEN SULFIDE (CAS 7783-06-4) – RQ 100 lb.
<b>California Proposition 65:</b>	This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive harm.
<b>Clean Air Act – Section 112:</b>	
<b>Title V:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>SC Toxic Air Pollutants List:</b>	HYDROGEN SULFIDE (7783-06-4)
<b>Sara Title II – Section 313:</b>	There are no known ingredients subject to reporting.
<b>TSCA Inventory Status:</b>	All ingredients of this product are listed.

### Section 16: Other information

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#### Indication of changes

<b>NFPA health hazard:</b>	1
<b>NFPA fire hazard:</b>	0
<b>NFPA reactivity:</b>	0
<b>Personal Protection Index:</b>	1

#### HMIS III Rating

<b>Health:</b>	1
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Special Hazard:</b>	None

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