

Safety Data Sheet

Roof Asphalt

SDS Revision Date:

10/06/2020

1. Identification

1.1. Product identifier

Product Identity

Roof Asphalt

Alternate Names

Product Name: Roofing Asphalt, Type 1, Type II, Type III & Type IV
Generic Class: Asphalt Roof Coating

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

Spirit Asphalt
115 James S. McDonnell Blvd
Hazelwood, MO, 63042
United States

Emergency

CHEMTREC (USA)

(800) 424-9300

24 hour Emergency Telephone No.

(519) 967-0020

Customer Service: SWT Group

(519) 967-0020

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315

Causes Skin irritation

Eye Irrit. 2A; H319

Causes Serious eye irritation.

Carc. 2;H351

Suspected of causing cancer.

STOT SE 3;H336

May cause drowsiness or dizziness.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H315 Causes Skin irritation

H319 Causes Serious eye irritation.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

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[Prevention]:

P201 Obtain special instructions before use.

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

P261 Avoid Breathing Dust/fumes/gas/vapors/spray. .

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well ventilated area.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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

P312 Call a poison center/doctor if you feel unwell.

P332+P313 If Skin Irritation occurs, get medical advice/attention.

P362+P364

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

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Bitumen(containing aromatic oils) CAS Number: 0064742-93-4	90- 100	Carc. 2;H351	[1]
Hydrogen Sulfide CAS Number: 0007783-06-4	<0.1	Flam. Gas.1; H220 Liq. Gas, H280 Acute tox. 2; H319 STOT SE. 3; H335 Aquatic Acute 1; H400	[1] [2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

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4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Move the victim to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration. Seek immediate medical attention.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	If hot material strikes the skin, immediately drench or immerse in cool water. Do not attempt to remove asphalt from burn after it has cooled, seek immediate medical attention. In non-burn situations wash the with baby oil and/or mild non-abrasive soap for at least 15 minutes. Use warm water. Remove contaminated clothing and discard. If the irritation persists repeat the washing procedure. Seek medical attention.
Ingestion	Do not induce vomiting! If conscious give large quantities of water. Keep the victim warm and quiet. Seek immediate medical attention. Should vomiting occur, lean the victim over to reduce the risk of aspiration.

4.2. Most important symptoms and effects, both acute and delayed

Overview	<p>EFFECTS OF OVER EXPOSURE</p> <p>INHALATION: Excessive exposure to vapors may be irritating to the nose, throat, upper respiratory tract and lungs. Excessive exposure can result in headaches, dizziness, nausea, and narcotic effects; it can be defined as inadequate ventilation for extended periods of time.</p> <p>EYE CONTACT: Splash of the liquid or concentrated vapors may cause severe eye irritation. Severe injuries may result of repeated or prolonged contact. Injuries to the eye may be permanent if not treated immediately.</p> <p>SKIN CONTACT: Contact with hot product may cause thermal burns of varying degree. Prolonged unprotected contact may cause redness, irritation to the skin, sensitivity and dermatitis.</p> <p>INGESTION: If swallowed, this product may cause vomiting, nausea and diarrhea and may be harmful if swallowed in very large amounts.</p> <p>CHRONIC EXPOSURE: Prolonged skin contact may cause dermatitis.</p> <p>Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.</p> <p>See section 2 for further details.</p>
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5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam, Do not use solid water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen sulfide. Oxides of carbon and sulfur.

5.3. Advice for fire-fighters

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Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment. Treat as a highly flammable fuel oil fire. Wear self-contained breathing apparatus and complete protective clothing (full protective bunker turnout gear). Evacuate area and fight fire from a safe distance.

Vapors form a flammable mixture with air. Hot asphalt may ignite flammable materials on contact. Hydrogen sulfide may be released when product is heated. Do not direct water on hot asphalt, as it may cause violent eruptions and spreading.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, sulfur and other poisonous gases.

EXPLOSION DATA:

- SENSITIVITY TO MECHANICAL IMPACT: Not Sensitive

- SENSITIVITY TO STATIC CHARGE: Sensitive

None

ERG Guide No. 128

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Remove any sources of ignition and avoid prolonged breathing of vapor when performing any clean up of spills. Ventilate the area. Absorb the spill by using an inert material (sand, earth, vermiculate, etc.). Transfer the absorbed material into a waste container. Handle as a flammable asphalt material/liquid.

Prevent the product or any wash waters from entering the water systems or sewers. Wear a NIOSH/OSHA approved organic vapor canister respirator. Wear protective clothing such as safety eyewear, overalls, impervious boots, and chemical resistant gloves.

7. Handling and storage

7.1. Precautions for safe handling

Always ground the containers when transferring or mixing.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Do not allow hot asphalt to contact water. Avoid contact with strong oxidizers.

Store in a cool, dry, well-ventilated area. Keep away from direct sunlight, high heat, incompatible materials and any sources of ignition.

Storage above 55 C or 122 F may effect product quality.

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See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0064742-93-4	Bitumen(containing aromatic oils)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007783-06-4	Hydrogen Sulfide	OSHA	Ceiling: 20 ppm
		ACGIH	TWA:1 ppm STEL: 5 ppm
		NIOSH	Ceiling:10 ppm/(15 mg/m ³)
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0064742-93-4	Bitumen(containing aromatic oils)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: Yes; Group 2b: No; Group 3: No; Group 4: No;
0007783-06-4	Hydrogen Sulfide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Avoid breathing the vapor. Use an organic vapor mask under normal conditions and use a NIOSH/OSHA approved organic vapor canister respirator when exposure levels are exceeded.

Use adequate ventilation. Engineering: provide sufficient ventilation to control the exposure levels below limits.

Eyes

Wear anti-splash chemical goggles with side shields or wear a full face shield. Contact lenses should not be worn when working around organic solvents.

Skin

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Avoid repeated or prolonged contact with the skin. If rags are used with this product as a cleaning purpose, discard them into a water filled container after use. Use good personal

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hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Black/Brown
Odor	Heavy Petroleum
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	52-110°C (125-230°F)
Initial boiling point and boiling range	>315°C / >600°F
Flash Point	>287°C / >550°F (TCC)
Evaporation rate (Ether = 1)	
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	
Vapor Density	Heavier than air
Specific Gravity	0.9 – 1.5 g/ml
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	>343°C / >650°F
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Percent Solids (by weight)	100%
Percent Volatile (by weight)	0%
Percent Solids (by volume)	100%
Density (lbs/US gal)	Not Measured

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

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Sparks and open flames, high heat, direct sunlight.

10.5. Incompatible materials

Do not allow hot asphalt to contact water. Avoid contact with strong oxidizers.

10.6. Hazardous decomposition products

Hydrogen sulfide. Oxides of carbon and sulfur.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Bitumen(containing aromatic oils) - (64742-93-4)	> 5,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Hydrogen Sulfide – (7783-06-4)	No data available	No data available	> 444, Rat - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes Skin irritation
Serious eye damage/irritation	2A	Causes Serious eye irritation
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	2	Suspected of causing cancer.
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

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Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Bitumen(containing aromatic oils) - (64742-93-4)	Not Available	Not Available	Not Available
Hydrogen Sulfide – (7783-06-4)	0.0448, Lepomis macrochirus	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN3257	UN3257	UN3257
14.2. UN proper shipping name	UN3257, Elevated temperature liquid, n.o.s., 9, III	Elevated temperature liquid, n.o.s.	Elevated temperature liquid, n.o.s.
14.3. Transport hazard class(es)	DOT Hazard Class: 9	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	III	III	III
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

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15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): No
Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Bitumen(containing aromatic oils)

Pennsylvania RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H315 Causes Skin irritation

H319 Causes serious eye irritation

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

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This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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