



SAFETY DATA SHEET

Section 1. Identification

Product Identifier: Polymer Modified Asphalt
Identified Uses: Waterproofing and Roof Coatings
Supplier/Manufacturer: United Asphalts, Inc.
Product Safety and Regulatory Affairs
4306 E. 60th Ave.
Commerce City, CO 80022
In case of emergency: Information Phone: (800)466-5431
Chemtrec: (800) 424-9300
Fax: (303)287-5431

Section 2. Hazards Identification

HAZCOM Standard Status: This product is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Classification of the Substance or mixture:

Skin Corrosion/Irritation	2
Eye Damage/Irritation	2A
Respiratory/Skin Sensitizer	1

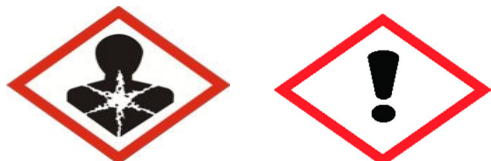
Hazards statement: H319 Causes serious eye irritation
H315 Causes skin irritation
Physical state: Solid
Color: Brown/Black

Precautionary statements

Prevention: P280 Wear protective gloves and eye/face protection
P273 Avoid release to the environment
P264 Wash with plenty of water and soap after handling
Response: P305 If in eyes rinse thoroughly with water, remove contact
P351 lenses if present and repeat.
P338
P303 If on skin or hair: wash with soap and water
P352
P332 If skin irritation occurs: get medical advice and attention

P337 If eye irritation persists: call poison control center or see a
P311 physician immediately.
P362 Take off contaminated clothing and wash prior to reuse
P364
Storage: Prevent from melting
Disposal: Dispose of content/container at appropriate collection facility according to local, state and federal regulations.

Label Elements:



Signal Word: Warning

Section 3. Composition/information on ingredients

Chemical nature: Aqueous dispersion of a polymer based on styrene and 1,2 butadiene.

Substance/Mixture: Mixture

The following potentially hazardous ingredients are used to formulate the product. As supplied, the ingredients are bound in a polymer matrix. Because they are bound in the matrix, they are not expected to create any unusual hazards when handled and processed according to good manufacturing and industrial hygiene practices and the guidelines provided by this SDS.

<u>Ingredient Name</u>	<u>CAS#</u>	<u>% of Composition</u>
Petroleum Asphalt	8052-42-4	50 – 90
Styrene-Butadiene Copolymer	9003-55-8	1 – 10
Styrene-Isoprene Copolymer	7647-01-0	1 – 10
Proprietary Plasticizer	N/A	1 – 5
Sulfur	7704-34-9	0 – 2

Section 4. First Aid Measures

Description of first aid measures

Eye contact: Immediately flush eyes with copious amounts of water; remove contact lenses if necessary and repeat flushing. Do not attempt to remove cooled material from eye(s). Obtain medical attention if systems persist.

Inhalation fumes: Remove the affected individual to fresh air and assist in breathing if necessary getting immediate medical attention if required.

Skin contact: Flush contaminated area with copious amounts of water then remove contaminated clothing and repeat. Do not attempt to remove solidified material from skin. Do not attempt to dissolve with solvents or thinners. Get medical attention if any symptoms persist.

Ingestion

Rinse mouth immediately, seek medical attention. Do not induce vomiting.

Potential acute health effects

None known

Over exposure signs/symptoms

Skin contact: reddening, itching, swelling, burning and possible permanent damage.



Potential chronic health effects

No known significant effects or critical hazards.

Notes to physician: Treat symptomatically. No specific treatment.

Protection of first aiders: No special measures required.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Water spray, foam or dry chemical

Specific hazards arising from the chemical: Toxic and irritation gases/fumes may be given off during burning or thermal decomposition.

Hazardous thermal decomposition products: Carbon dioxide, carbon monoxide, metal oxides

Special protective actions for fire fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire fighters: Self-contained breathing apparatus.

Section 6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training.

Spill and leak procedures: Prevent entry into the sewage system, risk of blockage due to polymer deposits. Take up spilt latex with absorbent material or precipitate latex residue with sodium chloride and remove polymer coagulate.

Section 7. Handling and storage

Handling: Wear appropriate personal protection clothing and equipment. Refrain from unnecessary activities where material is being stored or processed. Wear approved respirator when ventilation is inadequate. Keep in original container or in an approved alternative.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink. Keep containers tightly closed at all times until ready for use. Do not store in improperly labeled containers.

Section 8. Exposure controls/personal protection

Occupational exposure limits

Ethanol	OSHA PEL	PEL 1,000 ppm; 1,900 mg/m ³ ; TWA 1,000 ppm 1,900 mg/m ³
	ACGIH TLV	STEL value 1,000 ppm

Appropriate engineering controls: Thermal processing operations should be ventilated to control gases and fumes given off during processing. Eye wash stations



and safety showers should be available in the immediate vicinity of the use of this material.

Personal protection

Hygiene measures: Wash exposed skin thoroughly with soap and water immediately after exposure. Wash contaminated clothing prior to reusing.

Respiratory protection: Any respirator used must be selected according to expected exposure levels and available ventilation in the immediate area.

Skin protection: Wear long pants, long sleeve shirts and chemical resistant gloves along with suitably protective footwear.

Eye protection: Always wear protective eye goggles when handling chemicals.

Section 9. Physical and Chemical Properties

Physical state: Solid

Color: Brown/Black

Odor: Petroleum

Melting point: 110 °C

Sp. Gravity: 1.10

Dynamic viscosity: 15,000 – 30,000 mPa•S

Solids content: 97.5 +/- 2.5 percent

Section 10. Stability and reactivity

Reactivity: Unreactive under normal conditions of storage and use.

Chemical stability: Stable.

Conditions to avoid: Heat and direct sunlight.

Incompatible materials: No specific data.

Hazardous decomposition products: If extreme heat is applied CO, NOx, H₂S

Section 11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum Asphalt	LD50 oral	Rat	>5000 mg/kg	
	LD50 dermal	Rat	>2000 mg/kg	
Styrenic copolymers	LD50	Rat-oral	>8437 mg/kg	
	LD50	Rat-	>2000 mg/kg	
	LC50	dermal; Rat-	>5.43 mg/L	4 hours
Proprietary plasticizer	LD50	inhalation Rat-oral	945 mg/kg	

Irritation/Corrosion

Product/ingredient name	Target organ	Result	Species	Exposure
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Petroleum Asphalt	Eyes	Mild irritant	Rabbit	
	Skin	Mild irritant	Rabbit	4 hours
Styrenic Copolymers	Eyes	Mild irritant		
	Skin	Mild irritant		
	Ingestion	Mild irritant		
Proprietary plasticizer	Skin	Mild irritant		
	Eyes	Severe irritant		

Carcinogenicity

Product/ingredient name	CAS #	ACGIH	IARC	NTP	OSHA
Petroleum Asphalt	8052-42-4	Not Classified (N/C)	N/C	N/C	N/C
Styrenic Copolymers	9003-55-8	N/C	N/C	N/C	N/C
Proprietary plasticizer	N/A	N/C	N/C	N/C	N/C

Genetic toxicity

Product/ingredient name	CAS #	ACGIH	IARC	NTP	OSHA
Petroleum Asphalt	8052-42-4	N/C	N/C	N/C	N/C
Styrenic Copolymers	9003-55-8	N/C	N/C	N/C	N/C
Proprietary plasticizer	N/A	N/C	N/C	N/C	N/C

Reproductive toxicity

Product/ingredient name	CAS #	ACGIH	IARC	NTP	OSHA
Petroleum Asphalt	8052-42-4	N/C	N/C	N/C	N/C
Styrenic Copolymers	9003-55-8	N/C	N/C	N/C	N/C
Proprietary plasticizer	N/A	N/C	N/C	N/C	N/C

Teratogenicity

Product/ingredient name	CAS #	ACGIH	IARC	NTP	OSHA
Petroleum Asphalt	8052-42-4	N/C	N/C	N/C	N/C
Styrenic Copolymers	9003-55-8	N/C	N/C	N/C	N/C
Proprietary plasticizer	N/A	N/C	N/C	N/C	N/C

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal: Waste disposal should be in accordance with existing environmental controls as set forth by local, state and federal bodies. The generation of waste should be avoided or minimized wherever and whenever possible. Empty containers that contain some product residue should be disposed of in a safe and environmentally competent way.

Empty Containers: Recondition or disposal of empty containers in accordance with governmental regulations. Do not reuse container. Observe label precautions.



Section 14. Transport Information

Regulatory Information	UN Number	Proper shipping name	Classes	PG	Label	Additional Information
DOT Classification	-	-	-	-	-	Not regulated
IMDG Class	-	-	-	-	-	Not regulated
IATA-DGR Class	-	-	-	-	-	Not regulated

PG – Packing Group

Section 15. Regulatory Information

SARA 311/312 Acute

SARA Title III Section 313 None
Extremely Hazardous
Substances

SARA Title III Section 313
Toxic Chemicals None

US EPA CERCLA None
Hazardous Substances
(40 CFR 302)

State regulations

The following chemicals are listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Pennsylvania: Right to know (asphalt fumes)
 Rhode Island: Hazardous Substances List (asphalt fumes)
 Florida: Hazardous Substances List (asphalt fumes)
 Minnesota: Right to know (asphalt fumes)
 Massachusetts: Right to know (asphalt fumes)
 New Jersey: Right to know (asphalt fumes)
 Texas: Air Contaminants Screening Level
 Illinois: Toxic Substance Disclosure to Employees List
 California State: Superfund Hazardous Substance

California Prop. 65: Carcinogens or Reproductive Toxins List: Asphalt fumes

U.S. Toxic Substances Control Act: Listed on the TSCA Inventory

Section 16. Other information

Hazardous Material Information System:

Health	1
Flammability	1
Physical Hazard	0

0=Insignificant 1=Slight 2=Moderate 3=High

