



1 - Identification

Product Name: Modified Aluminum Mastic

Product Code: # 232

Trade Name: Del-Val "Delivering Value"

Company: United Asphalt Company

**P.O. Box 291
Cedar Brook, NJ 08018**

Phone: 800-843-0317

Emergency Telephone Number

Chemtrec: 800-424-9300

2. Hazards Identification

Product may cause respiratory irritation, headache, dizziness, nausea and vomiting. Prolonged or repeated contact with skin may cause dermatitis.

GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Carcinogen	2	Limited evidence of human or animal carcinogenicity

GHS Hazards

H226	Flammable liquid and vapour
H316	Causes mild skin irritation

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P284	Wear respiratory protection
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously 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
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool

Signal Word: Warning



Acute toxicity: Not classified

3. Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Aromatic Petroleum Distillates	64742-95-6	40.00% - 50.00%
Aluminum Paste	7429-90-5	10.00% - 20.00%
Asphalt	8052-42-4	10.00% - 20.00%
Aliphatic Petroleum Distillates	8052-41-3	5.00% - 10.00%
SBS Blend	SBS Mixture	1.00% - 5.00%

4. First Aide Measures

If respiratory discomfort occurs, remove to fresh air. If discomfort continues, administer oxygen and get medical attention.

If this product comes in contact with with eyes, flush eyes with plenty of water for at least 15 minutes and seek medical help.

If this product comes in contact with skin, remove material with mineral oil, then wash with soap and plenty of water.

If swallowed, do not induce vomiting. Get medical attention.
Treat symptomatically.

5. Fire-Fighting Measures

Flash Point: 40 C (104 F)

LEL: 1.00

UEL: 7.00

Suitable Extinguishing Media:

Use dry chemical, CO₂, water spray(FOG) or foam.

Unsuitable Extinguishing Media:

Avoid solid water stream as it may scatter and spread fire.

When heated above flash point, material will release flammable vapors which can burn or be explosive in confined spaces if ignited. Do not mix with strong oxidants such as liquid chlorine or concentrated oxygen.

Elevated temperatures can lead to the formation of irritating vapors. Decomposing products may include the following materials: Carbon dioxide and Carbon monoxide.

Minimize breathing vapors, gases or fumes of decomposition products.

Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

6. Accidental Release Measures

Eliminate Sources of ignition and ventilate the area. Add sand or earth or absorb spill with suitable absorbent material and place in a closed container.

Keep products out of sewers and waterways by diking or impounding. Advicce authorities if product has entered or may enter sewers or waterways. Assure conformity with applicable governmental regulations.

7. Handling and Storage

Vapors are heavier than air and may travel along the ground or be moved by ventilation to locations distant from the point of material handling. To prevent fumes from entering buildings or confined areas, close all air intake sources near the material handling or the work area. To prevent ignition, avoid smoking, keep away from heat, open flames and sources of static or electrical sparking. Use explosion proof motors and equipment. Tank trucks or other containers should be grounded and/or bonded when the material is transferred.

Avoid prolonged or repeated inhalation of vapors or spray mists. Avoid prolonged or repeated skin contact. Adhere to good hygienic practices. Avoid open flames. Use with adequate ventilation.

Store in a cool, dry place, out of direct sunlight and away from heat, sparks, and flame.

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

8. Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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Aromatic Petroleum Distillates 64742-95-6	125 mg/m3	25 ppm	NIOSH 125mg/m3
Aluminum Paste 7429-90-5	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	1 mg/m3 TWA (respirable fraction)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Asphalt 8052-42-4	Not Established	0.5 mg/m3	Not Established
Aliphatic Petroleum Distillates 8052-41-3	TWA: 500 ppm	TWA: 100 ppm	Not Established
SBS Blend SBS Mixture	Not Established	Not Established	Not Established

Local Exhaust: In enclosed areas. Special: None
Mechanical: In confined areas. Other: None

Respiratory Protection: Use supplied-air respirator in confined areas or with vapors in high concentrations.
Eye Protection: Safety glasses or face shield for liquid material.
Protective Gloves: Solvent impervious gloves.
Other Protective Clothing Equipment: Long sleeves and impervious clothing to protect against splashing.
Work/Hygienic Practices: See Section 7.

9. Physical and Chemical Properties
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Appearance and Odor:	Dark liquid. Mild petroleum odor
Vapor Pressure:	3
Boiling Point:	300-350oF
Melting Point (R & B):	N/A
Solubility in water:	Insoluble.
Specific Gravity (H2O=1):	0.8 - 0.99
Evaporation Rate (Butyl Acetate=1)@ 77°F:	0.2
Vapor Density (Air = 1):	>4
Flash Point (PMCC):	104°F min.

10. Stability and Reactivity

Conditions to Avoid: Keep away from heat, spark, open flames.

STABLE

Incompatibility (Materials to Avoid): May react with strong oxidizing materials

Hazardous Decomposition Products:

Combustion: carbon dioxide (CO2), carbon monoxide (CO), nitrogen oxides, smoke and fumes

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Mixture Toxicity

Dermal Toxicity LD50: 4,997mg/kg
Inhalation Toxicity LC50: 1mg/L

Component Toxicity

64742-95-6	Aromatic Petroleum Distillates Dermal LD50: 4,000 mg/kg (Rabbit)
8052-42-4	Asphalt Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 94 mg/m3 (Rat)
8052-41-3	Aliphatic Petroleum Distillates Oral LD50: 5 g/kg (Rat) Dermal LD50: 3 g/kg (Rabbit) Inhalation LC50: 18 g/m3 (Rat)

Effects of Overexposure

CARCINOGENICITY: NTP? YES IARC MONOGRAPHS? YES OSHA REGULATED? YES

12. Ecological Information.

Ecotoxicity: This product should be considered toxic to aquatic organisms . Avoid release to the environment.

13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

14. Transportation Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Asphalt Cements and Coatings Non-Bulk	1993	3	III

15. Regulatory Information

TSCA CERTIFICATION:

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3):

All chemicals in this product are listed, or are exempt from listing, on the SARA TITLE 3 Inventory.

CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986):

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CANADIAN REGULATIONS:

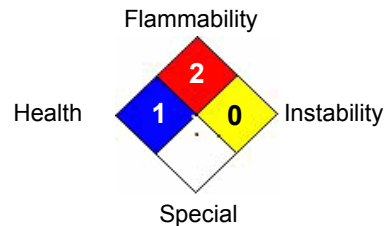
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="1"/>	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	<input type="text" value="2"/>	
PHYSICAL HAZARD	<input type="text" value="0"/>	
PERSONAL PROTECTION	<input type="text"/>	

National Fire Protection Association (NFPA)



Revision Statement:

Supersedes:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The information has been completed to the best of our knowledge and is believed to be accurate and reliable as from the date indicated. However, no warranty is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy oneself as to the suitability and completeness of such information for his own particular use.

Date Prepared: 2/15/17