



1 - Identification

Product Name: SBS Modified Adhesive

Product Code: # 201

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) |
| Skin corrosive | 2 | Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation |
| Eye corrosive | 2A | Eye irritant: Subcategory 2A, Reversible in 21 days |
| Carcinogen | 2 | Limited evidence of human or animal carcinogenicity |

GHS Hazards

| | |
|------|-------------------------------|
| H226 | Flammable liquid and vapour |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H351 | Suspected of causing cancer |

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 |
| P264 | Wash hands thoroughly after handling |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P321 | Specific treatment (see section 4 on this SDS) |
| P362 | Take off contaminated clothing and wash before reuse |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| 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 |
| P337+P313 | If eye irritation persists, get medical advice/attention |
| P370+P378 | In case of fire: Use appropriate media (see section 5) to extinguish |
| P405 | Store locked up |
| P403+P235 | Store in a well ventilated place. Keep cool |
| P501 | Dispose of contents/container (see section 13) |

Signal Word: Warning



Acute toxicity: Not classified

3. Composition / Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|--------------------------------------|-------------|------------------------|
| Asphalt | 8052-42-4 | 60.00% - 70.00% |
| Aliphatic Petroleum Distillates | 8052-41-3 | 20.00% - 30.00% |
| Cellulose Fiber | 9004-34-6 | 5.00% - 10.00% |
| Hydrated Magnesium Aluminum Silicate | 8031-18-3 | 5.00% - 10.00% |
| SBS Blend | SBS Mixture | 1.00% - 5.00% |
| Cationic Salt | 28701-67-9 | 1.00% - 5.00% |

4. First Aid 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 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:

UEL:

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. Advise 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 |
| Asphalt 8052-42-4 | Not Established | 0.5 mg/m ³ | Not Established |
| Aliphatic Petroleum Distillates 8052-41-3 | TWA: 500 ppm | TWA: 100 ppm | Not Established |
| Cellulose Fiber 9004-34-6 | PEL-TWA 15mg/m ³ Total PEL-TWA 5mg/m ³ Respirable | TLV-TWA 10 mg/m ³ | Not Established |
| Hydrated Magnesium Aluminum Silicate 8031-18-3 | NONE | NONE | Not Established |
| SBS Blend for Cements SBS Mixture | Not Established | Not Established | Not Established |
| Cationic Salt 28701-67-9 | 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.

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| 9. Physical and Chemical Properties |
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|--|----------------------------------|---|------------|
| Appearance and Odor: | Dark liquid. Mild petroleum odor | | |
| Vapor Pressure: | 3 | | |
| Boiling Point: | 300-350oF | Evaporation Rate (Butyl Acetate=1)@ 77°F: | 0.2 |
| Melting Point (R & B): | N/A | Vapor Density (Air = 1): | >4 |
| Solubility in water: | Insoluble. | Flash Point (PMCC): | 104°F min. |
| Specific Gravity (H ₂ O=1): | 1.0 - 1.05 | VOC Content: 238 grams/per liter | |

| |
|------------------------------------|
| Boiling Range 104 to 752 °C |
|------------------------------------|

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

Not Applicable

Hazardous Decomposition Products:

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

Hazardous Polymerization: Will not occur.

Not Applicable

Hazardous polymerization will occur.

11. Toxicological Information

Mixture Toxicity

Component Toxicity

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

Inhalation Skin Contact Eye Contact Ingestion

Not Applicable

Effects of Overexposure

Carcinogenicity: NTP:? Yes IARC Monographs?: Yes OSHA Regulated?: No

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--------------------------|
| None | | | Not Applicable |

12. Ecological Information.

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

Component Ecotoxicity

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

SARA TITLE III - EPA Regulation 40 CFR 302 (CERCLA Section 102); CFR 355 (SARA Section 301-304);
CFR 372 (SARA Section 311-313) - NOT APPLICABLE.

This product contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372

1,2,4 - Trimethylbenzene CAS# 95-63-6 Weight% 0-2

EPA HAZARD CLASSIFICATION CODE: Acute Hazard/Chronic Hazard/Fire Hazard/Pressure Hazard/Reactive Hazard - NOT APPLICABLE.

TSCA, CANADIAN DSL: Yes

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- 8031-18-3 Hydrated Magnesium Aluminum Silicate 5 to 10 %
- 8052-41-3 Aliphatic Petroleum Distillates 20 to 30 %
- 8052-42-4 Asphalt 60 to 70 %

The following chemicals are listed under Canadian DSL
- None

New Jersey Worker and Community Right to Know Hazardous Substance List: The following substance appear on the NJ Right To Know Hazardous Substance List.
- None

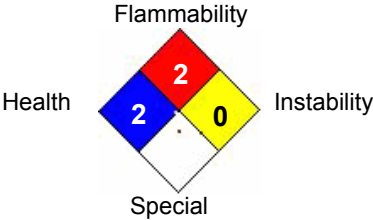


Hazardous Material Information System (HMIS)

| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 2 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

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.