



Safety Data Sheet

Date Issued : 3/17/2016
Date Prepared: 4/28/2016
Version: 1

1 - Identification

Product Name: Paving Sealer
Product Code: # 512
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	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Carcinogen	2	Limited evidence of human or animal carcinogenicity

GHS Hazards

H226	Flammable liquid and vapour
H315+H320	Causes skin and 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



3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Asphalt	8052-42-4	70.00% - 80.00%
Aliphatic Petroleum Distillates	8052-41-3	20.00% - 30.00%

4 - First Aid

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: 6.00

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 Carbonmonoxide

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

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
--

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 (H2O=1):	0.8 - 0.99		

Boiling Range 158 to 204 °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.

Not Applicable
Hazardous polymerization will occur.

11. Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 5,000mg/kg
Dermal Toxicity LD50: 2,190mg/kg
Inhalation Toxicity LC50: 0mg/L

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	TARS, LIQUID including road oils and cutback bitumens	1999	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.

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:

- 8052-41-3 Aliphatic Petroleum Distillates 20 to 30 %
- 8052-42-4 Asphalt 70 to 80 %

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

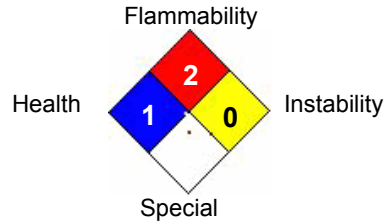
--

Hazardous Material Information System (HMIS)

HEALTH	1
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.