



**UNITED
ASPHALT**

Safety Data Sheet

1 - Identification

Product Name: Modified Liquid Rubber

Product Code: # 6100

Trade Name: Armour Proof

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)

GHS Hazards

H226 Flammable liquid and vapour

GHS Precautions

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
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P370+P378 In case of fire: Use appropriate media (see section 5) to extinguish
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 %
Aromatic Petroleum Distillates	64742-95-6	30.00% - 60.00%
Polymer	66070-58-4	10.00% - 30.00%
Calcium Carbonate	1317-65-3	7.00% - 13.00%
Titanium Dioxide	13463-67-7	7.00% - 13.00%
Hydrocarbon Resin	69430-35-9	5.00% - 10.00%
Hydrocarbon Resin	9011-11-4	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: 112(F)

Suitable Extinguishing Media:

Use dry chemical, CO₂, water spry(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
Aromatic Petroleum Distillates 64742-95-6	125 mg/m ³	25 ppm	NIOSH 125mg/m ³
Polymer 66070-58-4	Not Established	Not Established	Not Established
Calcium Carbonate 1317-65-3	15 mg/m ³ (total Dust) 5 mg/m ³ (respirable)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	Not Established
Titanium Dioxide 13463-67-7	15 mg/m ³ (total)	10 mg/m ³ (total)	Not Established

Hydrocarbon Resin 69430-35-9	Not Established	Not Established	Not Established
Hydrocarbon Resin 9011-11-4	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

Appearance and Odor:	liquid. Mild petroleum odor
Vapor Pressure:	<2mm Hg
Boiling Point:	300-350oF
Melting Point (R & B):	N/A
Solubility in water:	Insoluble.
Specific Gravity (H2O=1):	1.10
Evaporation Rate (Butyl Acetate=1)@ 77°F:	0.2
Vapor Density (Air = 1):	>4
Flash Point (PMCC):	112°F min.

10. Stability and Reactivity

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

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: Inhalation Toxicity LC50: 22mg/L

Component Toxicity:
64742-95-6 Aromatic Petroleum Distillates Dermal LD50: 4,000 mg/kg (Rabbit)

Effects of Overexposure

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

This product may contain trace amounts of crystalline silica, which is considered a hazard by inhalation that can cause silicosis. Prolonged or repeated contact may lead to dermatitis; and with poor hygienic practices, to more serious skin disorders such as ulcerations, benign skin growths and skin cancer.

12. Ecological Information.

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

13 - Disposal

WASTE DISPOSAL METHOD

Dispose of in an environmentally safe manner and in accordance with governmental regulations. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. For work on tanks, refer to OSHA regulation ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations. Dispose of in accordance with Federal, State and Local regulations. **This is "RCRA" regulated hazardous waste [D001 Ignitable per 40 CFR 260.21] and must be disposed in a permitted facility. Containers are hazardous waste if not emptied completely (less than 1 inch of residue).** The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.

14. Transportation Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Roof Coating / Not Regulated	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.

New Jersey Worker and Community Right to Know Hazardous Substance List: The following substance appear on the NJ Right To Know Hazardous Substance List.

64742-95-6 Aromatic Petroleum Distillates

16. Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="2"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

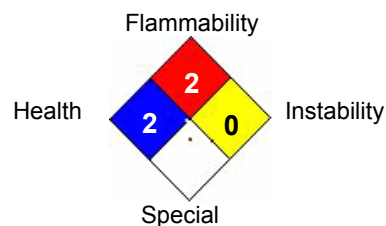
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



Revision Statement:

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: 1/17/2018