

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT and COMPANY IDENTIFICATION

Manufacturer

U.S. PLY, INC.  
P.O. Box 11740  
Fort Worth, TX 76110

Non Emergency Information

Telephone: U.S. PLY, INC. (866) 787-4759 or (817) 413-0103

Emergency Information

Transportation Emergency Telephone: 1-800-424-9300.

Product Name: USP ALL SEASON ASPHALT STAIN BLOCKER

Chemical Name: Hydrocarbon Mixture

### 2. COMPOSITION (Information on Ingredients)

Reportable Component	CAS Number	Weight %
Petroleum Solvents	64742-95-6	Proprietary
Aluminum Paste, leafing type	7429-90-5	Proprietary
Petroleum Hydrocarbons	Not Established	Proprietary
Hexane	110-54-3	Proprietary
Calcium Carbonate	471-34-1	Proprietary
Mica	12001-26-2	Proprietary
1,2,4 - TriMethylbenzene	95-63-6	Proprietary
Xylene	1330-20-7	Proprietary
Ethyl benzene	100-41-4	Proprietary
See Section 8 of this MSDS for Exposure Guidelines		

### 3. HAZARDS IDENTIFICATION

Physical Hazards

**APPEARANCE AND ODOR:** Aluminum or light grey viscous liquid with a slight odor.

No severe or acute health hazards are known to be associated with the use of this product. Avoid inhalation of heated vapors or spray mists. Common irritation symptoms-headache, nausea, nose and throat irritation-may result from overexposure.

Potential Health Effects:

May aggravate pre-existing respiratory and skin disorders.

Exposure Routes:

Primary: Inhalation, skin contact and eye contact.

**Inhalation:** Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may cause overexposure symptoms, such as headache, nausea, and irritation of nose and throat.

**Skin Contact:** Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking.

**Absorption:** Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

**Eye Contact:** Exposure to liquid or vapor causes eye irritation. Symptoms may include stinging, tearing, redness and swelling.

Ingestion: Swallowing small amounts of this product during normal use. It is not likely to cause any adverse health effects. Ingestion of larger amounts can result in corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

Read the entire MSDS for a more thorough assessment to the hazard information on this product.

---

**SECTION 4 – FIRST AID MEASURES**

---

General: In case of accident or if you feel unwell, seek medical advice IMMEDIATELY. (Show the product label where possible)

Inhalation: Remove victim from exposure to well ventilated area. If breathing is labored, qualified personnel should administer oxygen. Apply artificial respiration if breathing has ceased or shows signs of failing.

Skin Contact: Remove contaminated clothing. Immediately wash affected areas thoroughly with soap and water. If irritation, redness, or a burning sensation develops and persists, obtain medical advice. Contaminated clothing should be thoroughly cleaned before reuse.

Eye Contact: Immediately flush eyes running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.

Ingestion: Do NOT induce vomiting. Provided the patient is conscious, wash out mouth with water then give 1 or 2 glasses of water to drink. Refer person to medical personnel for immediate attention.

Note to Physicians: Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

---

**SECTION 5 – FIRE-FIGHTING MEASURES**

---

Flash Point: <114°F

Flammable Limits In Air by Volume:

USP All Season Asphalt Stain Blocker = (Lower): 0.6% (Upper): 15.3%

Extinguishing Media: Use foam, dry chemical, CO<sub>2</sub>, or water.

Fire Fighting Procedures: As appropriate for surrounding materials/equipment. If electrical equipment is involved, the use of foam should be avoided. No unusual fire or explosion hazards.

Fire Fighting Protective Equipment: Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.

---

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

---

For major spills call CHEMTREC (800-424-9300).

Spills, Leaks, or Releases: Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand, and place in a closed container. In case of large spill, dike the area to prevent this material from entering water systems or sewers.

---

**SECTION 7 – HANDLING AND STORAGE**

---

Handling: Avoid breathing aerosols, mists and vapors. Avoid prolonged or repeated skin contact (See Section 8—Exposure Control for details)

Storage Requirements: Keep containers properly sealed and when stored indoors, in a well-ventilated area.

Storage Temperature: Avoid storage above 100°F.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Read all product instructions before using. Personal protective equipment should include safety eye wear, fire resistant gloves, and long sleeve work clothes to prevent excessive skin contact. No special ventilation systems are required under normal conditions of use in well ventilated areas.

Exposure Guidelines	OSHA	ACGIH
Petroleum Solvents (64742-95-6)	N/A	N/A
Aluminum Paste (7429-90-5)	Total Dust 10 mg/m <sup>3</sup> TWA Respirable Dust: 5 mg/m <sup>3</sup>	Total Dust 10 mg/m <sup>3</sup> TWA Respirable Dust: 5 mg/m <sup>3</sup>
Petroleum Hydrocarbons (N/A)	N/A	N/A
Hexane (110-54-3)	500 ppm PEL	50 ppm TWA
Calcium Carbonate (471-34-1)	Total Dust 10 mg/m <sup>3</sup> TWA Respirable Dust: 5 mg/m <sup>3</sup>	Total Dust 10 mg/m <sup>3</sup> TWA Respirable Dust: 5 mg/m <sup>3</sup>
Mica (12001-26-2)	Respirable Dust: 3 mg/m <sup>3</sup>	Respirable Dust: 3 mg/m <sup>3</sup>
1,2,4 TriMethylbenzene (95-63-6)	25 ppm TWA	25 ppm TWA
Xylene (1330-20-7)	100 ppm PEL/TWA	100 ppm TLV
Ethyl benzene (100-41-4)	100 ppm PEL/TWA 125 ppm PEL/STEL	100 ppm TLV 150 ppm TLV/STEL

None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**PREVENTATIVE MEASURES:**

Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

**Work/Hygienic Practices:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work, using plenty of soap and water. Open containers of food and beverage should be kept away from areas where the product is used or stored. Eating, drinking, smoking and application of cosmetics should be prohibited in areas where the product is being used.

**Engineering Controls:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s). General ventilation is recommended. Additional local exhaust ventilation is recommended where vapors, mists, or aerosols may be released. For guidance on engineering control measures refer to publications such as the ACGIH current edition of "Industrial Ventilation, a manual of Recommended Practice."

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye Protection:** Chemical splash goggles in compliance with OSHA regulations are advised. However, OSHA regulations also permit other types of safety glasses. (Consult your safety equipment supplier)

**Skin Protection:** Wear protective clothing to prevent skin contact. Keep exposed skin area to a minimum. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH. Eye wash station and safety shower should be available.

**Respiratory Protection:** This product has demonstrated no observable effects at room temperature; however, it is highly recommended that an air-purifying respirator with organic filter cartridges be worn. In addition, in any interior, confined space, spray application, a supplied air source must be provided. When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied-air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and a Hepa (P100) particulate filter may be used under certain conditions when a cartridge change-out schedule has been developed in accordance with the OSHA preparatory protection standard (29 CFR. 1910.134).

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in the work area.

---

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

---

Appearance:	Viscous liquid
Flash Point:	114°F
Vapor Density (Air=1):	Heavier than air
Boiling Point:	313°F - 572°F (156°C – 300°C)
Solubility (Water):	Soluble
VOC: (grams/liter)	USP All Season Asphalt Stain Blocker = < 540
Specific Gravity:	USP All Season Asphalt Stain Blocker = 1.09
Evaporation Rate:	Slower than Ether
pH:	8.5 – 9.0

---

**SECTION 10 – STABILITY AND REACTIVITY**

---

Hazardous Decomposition Products:

By fire: Carbon Dioxide, Carbon Monoxide.

Chemical Stability:

Stable at room temperature.

Conditions to Avoid:

Avoid storage above 110°F

Incompatibility:

None Known

Hazardous Polymerization:

Will not occur

---

**SECTION 11 – TOXICOLOGICAL INFORMATION**

---

Potential Health Effects: May aggravate pre-existing respiratory and skin disorders.

Calcium Carbonate:	CAS No. 471-34-1: LC50 Rat 4HR; LD50 Rat
Inhalation:	Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may cause overexposure symptoms, such as headache, nausea, and irritation of nose and throat.
Skin Contact:	Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking. Skin adsorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.
Eye Contact:	Exposure to liquid or vapor causes eye irritation. Symptoms may include stinging, tearing, redness and swelling.
Ingestion:	Swallowing small amounts of this product during normal use, is not likely to cause any adverse health effects. Ingestion of larger amounts can result in corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.
Carcinogenicity:	The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.

---

**SECTION 12 – ECOLOGICAL INFORMATION**

---

No data available

---

**SECTION 13 – DISPOSAL CONSIDERATIONS**

---

Liquid waste must be disposed of in accordance with Federal, State and local regulations. Incineration is the preferred method. In its cured (solid) form, this product is considered non-hazardous, and can usually be land filled. For further information contact your state or local solid waste agency or the United States Environmental Protection Agency's RCRA Hotline (1-800-434-9300). Chemical waste, even small quantities should never be poured down drains, sewers or waterways. Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

---

**SECTION 14 – TRANSPORT INFORMATION**

---

**Hazard Exemption Info:** Paint related materials: UN1263 (49 CFR 172.101) Product is classified as a Non-Hazardous Combustible Liquid (49 CFR 173.150); when it is transported below its flash point within a non-bulk package by motor vehicles, rail cars or aircraft. **Marine Pollutant:** This product is not a severe marine pollutant, nor is it a marine pollutant solution or mixture with a concentration that is equal to or exceeds 10% by weight. This product therefore is not considered a marine pollutant, according to the (DOT 49 CFR 171.8). **Domestic Exemption:** When transported in a non-bulk package by motor vehicles, rail cars or aircraft, marine pollutant requirements do not apply (DOT 409 CFR 171.4).

**Transportation Emergency Telephone Number:** 1-800-424-9300 (CHEMTREC)

---

**SECTION 15 – OTHER INFORMATION**

---

**TSCA (Toxic Substances Control Act) Regulations:** This material or its components are listed on the TSCA Chemical Substance Inventory and is in compliance with all applicable rules and orders. One or more of the components may be exempt from listing on the TSCA Inventory.

NFPA: Health 1; Flammability 0; Reactivity 0

HMIS: Health 1; Flammability 0; Reactivity 0; Protection X

SARA III Ratings: Health 1; Flammability 0; Protection N/A

Prepared by:  
U.S. PLY, INC. Technical Services Department  
P.O. Box 11740  
Fort Worth, TX USA 76110

The information and recommendations contained herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information supplied upon the condition that the persons receiving said information will make their own determination as to its suitability for their particular purpose prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, including the merchantability or fitness for a particular purpose are made herein with respect to this information or the product to which information refers.

Information contained herein is deemed to be reliable, conservative and accurate. U.S. PLY, Inc. reserves the right to change the design, specification or any other features at any time, without notice, while otherwise maintaining regulatory compliance.

**Issue Date:** 2/8/08

**Revised Date:** 8/27/08 Revision Disclosure: Updated Reportable Components