

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

U.S. PLY, INC.  
 P.O. Box 11740  
 Fort Worth, TX 76104

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: ALL SEASON THERMOPLASTIC ROOF COATING, ALL SEASON PREMIUM THERMOPLASTIC ROOF COATING, ALL SEASON THERMOPLASTIC SEAM SEALER, ALL SEASON THERMOPLASTIC MASTIC, ALL SEASON THERMOPLASTIC BASE COAT, ALL SEASON CLEAR SKYLIGHT COAT

Product Use: Coatings and Sealants

## SECTION 2 – COMPOSITION (INFORMATION OF INGREDIENTS)

Reportable Components	CAS Number	Weight Percent
High Flash Naptha	8052-41-3	Proprietary
1,2,4 – Trimethylbenzene	95-63-6	Proprietary
Xylene	1330-20-7	Proprietary
Cumene	98-82-8	Proprietary
Styrene Ethylene/Butylene Styrene	66070-58-4	Proprietary
Hydrocarbon Resins	69430-35-9	Proprietary
Titanium Dioxide	13463-67-7	Proprietary
Attapulgate Clay	121174-11-7	Proprietary
Proprietary Amine	Proprietary	Proprietary

## SECTION 3 – HAZARDS IDENTIFICATION

Physical Hazards:

APPEARANCE AND ODOR: White, grey or clear viscous liquid with a slight odor.

EYE CONTACT: These products are mildly irritating to the eyes. The effect of prolonged eye contact is not known.

SKIN CONTACT: Prolonged or repeated contact can cause dermatitis.

INHALATION: Upper respiratory tract irritation. May cause nausea or dizziness. High vapor concentrations can cause central nervous system depression, liver, and kidney damage.

INGESTION: Acute gastrointestinal tract irritation.

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

## SECTION 4 – FIRST AID MEASURES

EYE CONTACT: Flush with water immediately for at least 15 minutes. Seek Medical attention immediately.

SKIN CONTACT: Wash skin with waterless hand cleaner followed by soap and water. If redness appears treat it as a sunburn, if redness persists or rash appears seek medical attention immediately.

INHALATION: Remove individual to fresh air, upwind from fume source. If irritation persists seek medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Prevent aspiration into lungs. Aspiration of even small amounts into lungs may result in aspiration pneumonitis. Seek medical attention immediately.

**SECTION 5 – FIRE-FIGHTING MEASURES**

Flash Point: (SETA) 100°F

HAZARD CLASS: H.M.I.S.; Health = 2, Flammability = 2, Reactivity = 0

EXTINGUISHING MEDIA: Class “B” dry chemical, carbon dioxide, or other suitable extinguishing material such as dry sand. Do not use halogenated agents. When flames have been eliminated, cover residue with dry extinguishing agent or dry sand and allow it to remain undisturbed until it has cooled. If fire appears to increase in intensity, stop using these agents. Apply Class “D” extinguishing agent or more dry, inert, granular material. Ring fire with extinguishing material and allow the fire to burn out.

SPECIAL FIRE FIGHTING PROCEDURES: If the fire does not respond to above agents or they are not available, use foam or water FOG as a last resort. Water may also be used to cool exposed, but not burning, containers. These products may float and be re-ignited on top of water. Personnel fighting fire should use a self contained breathing apparatus.

UNUSUAL FIRE and/or EXPLOSION HAZARDS: Closed containers may explode in a fire. Keep containers cool and remove to a safe location.

**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**

PRECAUTIONS IN CASE OF SPILL: Contain spill as quickly as possible. Keep flowing material away from heat, sparks, or open flames. Do not smoke near a spill. Use clay (Oil Dry™), sand, earth, etc. to absorb the spill. Put material into a suitable steel drum which can be closed securely.

WASTE DISPOSAL: Bury in an approved landfill according to federal, state, and local regulations. Empty containers that have been completely emptied and the residue allowed to dry are not considered hazardous waste.

HANDLING & STORAGE PRECAUTIONS: Store away from heat, sparks, and open flames. Solvent vapors are heavier than air and may be moved from the source location by ventilation systems to points far away. Do not store near oxidizers.

OTHER PRECAUTIONS: Keep container closed when not in use. Store in a dry ventilated area. Maintain package labeling during storage.

**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
High Flash Naptha (8052-41-3)	100 ppm PEL	100 ppm TLV
1,2,4 – Trimethylbenzene (95-63-6)	25 ppm TWA	25 ppm TWA
Xylene (1330-20-7)	100 ppm TWA	100 ppm TWA
Cumene (98-82-8)	50 ppm (skin)TWA	50 ppm (skin)TWA
Styrene Ethylene/Butylene Styrene (66070-58-4)	NA PEL	NA PEL
Hydrocarbon Resins (69430-35-9)	NA PEL	NA PEL
Titanium Dioxide (13463-67-7)	10 mg/m³ TLV	10 mg/m³ TLV
Attapulgate Clay (121174-11-7)	None PEL	5 mg/m³ TLV

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:**

**VENTILATION:** Close all potential points of entry for solvent fumes into the interior of the building, including all fresh air intakes, windows, vents or other openings prior to application of these products. Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of heavier than air solvent vapors. Ventilation must be sufficient to maintain solvent vapor concentrations below the TLV.

**RESPIRATORY PROTECTION:** As required if airborne concentrations are above the TLV. If respirators become necessary use NIOSH approved unit for organic vapor and dusts.

**PROTECTIVE CLOTHING:** As necessary to prevent wetting of the skin.

**EYE PROTECTION:** As necessary in accordance with 29 CFR 1910.113

**OTHER PRECAUTIONS:** With good industrial hygiene no other precautions should be necessary. These products are intended for professional use. Use only after the appropriate Product Data Bulletin has been read and understood.

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

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**BOILING POINT:** 325° F

**SPECIFIC GRAVITY:** .95 -1.1

**FLASH POINT (SETA):** 100° F

**VAPOR DENSITY:** 3.7

**EVAPORATION RATE:** 0.9  
(butyl acetate = 1.0)

**SOLUBILITY:** NEG

**APPEARANCE AND ODOR:** White, clear or colored liquid with a hydrocarbon odor.

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**SECTION 10 – STABILITY AND REACTIVITY**

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITY:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, various hydrocarbon fragments

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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

**Titanium Dioxide:** Cas No. 13463-67-1: 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.

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**SECTION 12 – ECOLOGICAL INFORMATION**

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No data available

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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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.

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**SECTION 14 – TRANSPORT INFORMATION**

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**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)

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**SECTION 15 – OTHER INFORMATION**

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**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 2; Flammability 2; Reactivity 0

HMIS: Health 2; Flammability 2; Reactivity 0; Protection X

SARA III Ratings: Health 2; Flammability 2; Protection N/A

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