

# 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 #421 NON-FIBERED ALUMINUM ROOF COATING; USP #442 ALUMINUM FIBERED ROOF COATING; USP ALUM-A-MAX ROOF COATING

Chemical Name: Hydrocarbon Mixture

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or Greater, Carcinogens 0.1% or Greater)	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Asphalt Base	<30%	5mg/M <sup>3</sup>	5mg/M <sup>3</sup>	Ceiling of 10mg/M <sup>3</sup>
Volatile Petroleum Solvents	<30%	100ppm	350mg/M <sup>3</sup>	Max. 3 hr., 1,800mg/M <sup>3</sup>
Aluminum Pigment, leafing type	<10%		As Dust	10mg/M <sup>3</sup>
*Fibers, natural (non-asbestos)			As Dust	10mg/M <sup>3</sup>
*Fibers, synthetic			As Dust	10mg/M <sup>3</sup>
* Not contained in USP #421 Non-Fibered Aluminum Roof Coating				

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	313°F	Specific Gravity (H <sub>2</sub> O = 1):	>1.0
Vapor Pressure (mm Hg and Temperature):	ND	Melting Point:	ND
Vapor Density (Air = 1):	ND	Evaporation Rate (Butyl Acetate = 1):	ND
Solubility in Water:	Insoluble	Water Reactive:	See Fire Section
<b>Appearance and Odor:</b> Silver color, viscous liquid, petroleum odor when thoroughly stirred.			

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b> >100°F <b>Method Used:</b> NFPA	<b>Auto-Ignition Temperature:</b> >400°F	<b>Flammability Limits in Air % by Volume</b>	<b>LEL:</b> 0.9%	<b>UEL:</b> 6.0%
<b>Extinguisher Media:</b> Dry Chemical, foam, water fog.				

<b>Special Fire Fighting Procedures:</b> DO NOT USE HALON OR WATER! Allow to become cool before disposal. Class D extinguisher may be needed for the aluminum.
<b>Unusual Fire and Explosion Hazards:</b> Aluminum may react violently with water and elements of the Halon chemical family. It may continue to burn under a crust.

**SECTION 4 - REACTIVITY HAZARD DATA**

Stability: Stable <input checked="" type="checkbox"/> Unstable	Conditions to Avoid: Keep from heat, sparks, open flame
Incompatibility (Materials to Avoid): Acids, caustics, oxidizers	
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides	
Hazardous Polymerization: <input checked="" type="checkbox"/> May Occur Will Not Occur	Conditions to Avoid: Water, containers open to air (moisture).

**SECTION 5 - HEALTH HAZARD DATA**

Primary Routes of Entry: <input checked="" type="checkbox"/> Inhalation: Vapors <input checked="" type="checkbox"/> Skin Absorption: Very Slight <input checked="" type="checkbox"/> Ingestion: Slight Not Hazardous:	Carcinogen Listed in: NTP IARC Monograph OSHA <input checked="" type="checkbox"/> Not Listed
Health Hazards	Acute: Itching, unconsciousness, dizzy, dry skin, nausea, headache Chronic: Difficult breathing (cancer studies inconclusive)
Signs and Symptoms of Exposure: Repeated/continuous exposure can cause: chemical pneumonia, liver/kidney damage.	
Medical Conditions Generally Aggravated by Exposure: Repeated/continuous exposure can aggravate emphysema.	
EMERGENCY FIRST AID PROCEDURES: Large amounts may need immediate emergency treatment.	
Eye Contact: Flush eyes for 15 minutes with clean water, GET MEDICAL ATTENTION.	
Skin Contact: Wash with soap and water. Get medical care if irritation persists.	
Inhalation: Get to fresh air, administer oxygen or artificial respiration.	
Ingestion: DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION QUICKLY.	

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

Respiratory Protection (Specify Type): Organic vapor cartridge if in an enclosed area.		
Protective Gloves: Impervious to solvents to avoid repeated contact		Eye Protection: Safety goggles to avoid splashes.
Ventilation To Be Used:	<input checked="" type="checkbox"/> Local Exhaust: If outside	<input checked="" type="checkbox"/> Mechanical (General): If inside
	Special:	<input checked="" type="checkbox"/> Other (Specify): Avoid vapor concentrations.
Other Protective Clothing and Equipment: Long-sleeve shirt and long pants preferred, but <u>not required</u> .		
Hygienic Work Practices: Wear gloves and eye goggles to prevent irritations; wash hands with soap and water or waterless cleaner.		

<b>SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES</b>		
Steps to be Taken if material is Spilled or Released: Extinguish all sources of ignition in the area and use non-sparking tools with absorbent material (limestone), shovel up and place in closed container for proper disposal.		
Waste Disposal Methods: RCRA regulated material. Consult local, state, and federal regulations for permitted land fill or other disposal.		
Precautions to be Taken in Handling and Storage: Use in well-ventilated area, store in DRY, cool area.		
Other Precautions and/or Special Hazards: <u>DO NOT HEAT FOR APPLICATION</u> . Wash contaminated clothing. Close air intakes on roof until solvent odor dissipates.		

**Issue Date:** 9/24/04  
**Revised Date:** 2/22/06 - Revision Disclosure: Change of Address; 10/20/08 – Addition of product.