

SAFETY DATA SHEET


PLASTIC ROOF CEMENT



SECTION 1 IDENTIFICATION

Product Name	Plastic Roof Cement
Product Identifier	Mixture of asphalt, mineral spirits, attapulgite and cellulose fibers
Recommended Use	Roofing Membrane Flashing
Restrictions	None
Manufacturer	Performance Roof Systems
Address	4821 Chelsea Avenue Kansas City, MO 64130
Phone Number	(800) 727-9872
Emergency Number	(800) 424-9300 (CHEMTREC)

SECTION 2 HAZARDS

GHS Classification	H225/H340/H350/H372
Hazard Pictographs	
Signal Word	Warning
Hazard Statements	H302 - Highly flammable liquid and vapor H340 - May cause genetic defects (dermal, inhalation) H350 - May cause cancer (dermal, inhalation) H372 - Causes damage to organs (central nervous system, eye, skin, lung, liver) through prolonged or repeated exposure (dermal, inhalation)
Precautionary Statements	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from open flames. - NO SMOKING P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting/... equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe fume, gas, vapors P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P273 - Avoid release into the environment P280 - Wear protective gloves and clothing P303+P361+P353 - If on skin (or hair), Take off immediately all contaminated clothing. Rinse skin with water/shower P303+P340 - If inhaled, remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: rinse cautiously 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 P314 - Get medical advice/attention if you feel unwell P321 - Specific treatment (see eye protection, protective gloves P370+P378 - In case of fire: Use carbon dioxide (CO2), foam, dry extinguishing powder to extinguish P403+P235 - Store in well-ventilated place. Keep cool

ABBREVIATION KEY

GHS = Global Harmonized System

STOT = Specific Target Organ Toxicity

SECTION 2 HAZARDS

P405 - Store locked up
 P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Petroleum Asphalt	8052-42-4	50 ± 5
Mineral Spirits	8052-41-3	30 ± 5
Attapulgite	12174-11-7	15 ± 5
Cellulose	900-34-6	1 ± 5

Note: The above components and their percentages are provided for health and safety purposes, ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SECTION 4 FIRST AID MEASURES

First-Aid, Eyes Immediately flush with large amounts of potable water. Eye lids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

First-Aid, Skin Remove contaminated clothing and wash with soap and water.

First-Aid, Inhalation Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.

First-Aid, Ingestion Do not induce vomiting – aspiration hazard. If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention. 3-5 ounces may be fatal.

Symptoms, Eyes Conjunctivitis, irritation, tearing and burning

Symptoms, Skin Irritation and inflammation. Allergic skin reaction may occur. Dermatitis

Symptoms, Inhalation Irritation to mucus membranes and respiratory tract, nausea, dizziness and headache

Immediate Medical Attention Treat symptomatically

SECTION 5 FIRE FIGHTING MEASURES

Fire Hazard Combustible liquid

Flash Point > 105 °F Tag Closed Cup **LEL:** 0.9% **UEL:** 6.7%

Extinguishing Media Foam CO₂ or dry chemical extinguishers.

Firefighting instruction Do not use direct water on substance. Water and foam may cause frothing. Treat as a fuel fire.

Explosion Hazard There is a potential for containers to rupture violently in fires. Vapors from product may explode if ignited in a confined space.

Protection Gear Do not enter fire area without proper equipment, including respiratory protection.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear appropriate protective clothing to avoid eye and skin contact.

Environmental Precautions Avoid release into the environment. Report releases as required by local, state and federal authorities.

Method and Materials for Containment & Clean Up If your facility or operation has an “oil or hazardous substance contingency plan”, activate the procedure. Take immediate steps to stop and contain the spill. Shut off all sources of ignition. Keep people away. Eliminate sources of ignition. Recover free product, add limestone, earth, or other suitable absorbents. Minimize skin contact and avoid breathing vapors. Ventilate confined spaces. Keep product out of sewers and waterways by diking or impounding. Dispose of in an approved facility, see Section 13, Disposal Considerations.

SECTION 7 HANDLING AND STORAGE

Handling Use this product with adequate ventilation. Material is COMBUSTIBLE. Material requires electrical grounding during material transfer process to prevent fire or explosion risk from static accumulation and discharge. All electrical equipment in storage and handling areas should be installed per NFPA requirements. Obtain special instruction before use. Do not handle until all safety precautions have been read and understood.

Storage Keep containers cool, dry and away from sources of ignition. Keep containers tightly closed when not in use. **DO NOT STORE NEAR HEAT, SPARKS, FLAME, OTHER SOURCES OF IGNITION OR STRONG OXIDIZERS.** Keep only in original container.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Wear chemical splash goggles (ANSI Z87.1) or safety glasses when working with or transferring this product. **DO NOT WEAR CONTACT LENSES IN THE PRESENCE OF THIS MATERIAL UNLESS SPLASH GOGGLES ARE WORN.**

Skin Use chemical resistant gloves, to avoid prolonged or repeated skin contact.

Respiratory Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.

Ventilation Ventilation may be used to reduce airborne concentrations. If ventilation can not reduce airborne concentrations below acceptable limits, appropriate respiratory protection should be used.

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH REL
Petroleum Asphalt	8052-42-4	Not Established	0.5 mg/m ³ TWA (respirable)	0.5 mg/m ³ Ceiling (15 min)
Mineral Spirits	8052-41-3	1,150 mg/m ³ TWA	350 mg/m ³ TWA 1,800 mg/m ³ Ceiling (15 min)	525 mg/m ³ TWA
Attapulgite	12174-11-7	Not Established	Not Established	Not Established
Cellulose	900-34-6	10 mg/m ³ TWA	15 mg/m ³ (total)	Not Established

ABBREVIATION KEY

PEL = Permissible Exposure Level
 TLV = Threshold Limit Value
 TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

NIOSH = National Institute for Occupational Safety
 ACGIH= American Conference of Governmental Industrial Hygiene
 MSHA= Mine Safety and Health Administration

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Black paste
Odor	solvent odor
Odor Threshold	No data available
pH	No data available
Relative Evaporation Rate	No data available
Boiling Point	>300 - 320 °F; ≤148 - 160 °C
Freezing Point	No data available
Flash Point	>100 °F; >37.7 °C;
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	20°C 2mm
Vapor Density	>1
Specific Gravity (lb/gal)	1+
Percent Solids	>50%
Solubility in Water	Insoluble
VOC	2.5 lb/gal; 300 g/L

SECTION 10 STABILITY AND REACTIVITY

Stability	Stable at room temperature in closed containers under advised storage and handling conditions.
Reactivity	Upon combustion CO and CO ₂ are formed
Conditions to Avoid	Strong oxidizers, no spark or open flame, direct sunlight and high temperatures
Hazardous Decomposition	Carbon monoxide and carbon dioxide
Hazardous Polymerization	Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Mutagenicity	May cause genetic defects (dermal, inhalation)
Carcinogenicity	May cause cancer (dermal, inhalation)
Specific Target Organ Toxicity	Causes damage to organs (central nervous system, eye, skin lung and liver) through prolonged or repeated exposure.
Chronic Effects	Prolonged and repeated skin contact may cause dermatitis, photo-sensitization and melanosis.
Potential Adverse Human Health Effects	Based on available data, the classification criteria are not met.

ABBREVIATION KEY

LD₅₀ = Lethal dose, 50 percent

LC₅₀ = Lethal concentration, 50 Percent

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SECTION 12 ECOLOGICAL INFORMATION

Eco toxicity	This product may cause adverse environmental effects if used improperly or release to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.
Environmental Transport	No Data
Environment Degradation	No Data
Soil Absorption/Mobility	No Data

SECTION 13 DISPOSAL CONSIDERATIONS

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.

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.

SECTION 14 TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT	Non-bulk packages (< 119 gl capacity) are exempt from DOT HAZMAT requirements Bulk packages @ less than 105 °F (119 gl or greater) Tars, liquid, 3, UN1999, PG II Bulk packages above 105 °F (119 gl or greater) Elevated Temperature Liquid, Flammable, n.o.s., 3, UN3256, PG III
Canadian TDG	Tars, liquid, 3 UN1999, PG II

SECTION 15 REGULATORY INFORMATION

TSCA Inventory	Components are listed
DSL Inventory	Components are listed
WHMIS Classification	Class B, Division 2
Sara 313	None present
Sara 311/312 Categories	Acute Health Hazard; Chronic Health Hazard
CERCLA	None present
CA Proposition 65	This product may contain chemicals known to the state of California to cause cancer, birth defects, and/or other reproductive harm.

ABBREVIATION KEY

DOT = Department of Transportation
DSL = Domestic Substances List (Canada)
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act

TSCA = Toxic Substances Control Act
WHMIS = Workplace Hazardous Materials Information System (Canada)

SECTION 15 REGULATORY INFORMATION

Right to Know States

COMPONENT	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Petroleum Asphalt	8052-42-4	No	Yes	No	Yes	Yes	Yes
Mineral Spirits	8052-41-3	Yes	Yes	Yes	Yes	Yes	Yes
Attapulgite	12174-11-7	Yes	No	No	No	No	No
Cellulose	900-34-6	No	No	No	No	No	No

SECTION 16 OTHER INFORMATION

Preparation Date

April 2020

Revision Date

March 2022

Summary of Changes

Summary of Changes Branding Update

Disclaimer

Disclaimer The information and recommendations contained herein are to the best of Performance Roof Systems' knowledge and belief, accurate and reliable as of the date issued. Performance Roof Systems does not warrant or guarantee their accuracy or reliability, and Performance Roof Systems shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from Performance Roof Systems.