

SECTION 1 IDENTIFICATION

Product Name Permastic
Recommended Use Roofing membrane adhesive
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 Flammable Liquid Category 3
Skin Irritation Category 2
Eye Irritation Category 2A
STOT: Single Exposure: Narcotic Effects; Category 3
STOT: Single Exposure: Respiratory Tract Irritation; Category 3
STOT: Repeated Exposure; Category 1

Hazard Pictographs



Signal Word

WARNING

Hazard Statements

H226 - Flammable liquid and vapor
H315 - Causes skin irritation
H350 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H372 - Causes damage to organs through prolonged or repeated exposure

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

Response

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

ABBREVIATION KEY

SECTION 2 HAZARDS

Response 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

Storage P403+P235 - Store in well-ventilated place. Keep cool

Disposal 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

OTHER HAZARDS

OSHA HCS 2012

Under United States Regulations (29 CFR 1910.1200), this product is considered hazardous.

SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Asphalt	8052-42-4	40 - 70
Naphtha Solvent, Light aromatic	64742-95-6	5 - 25
Mineral Spirits	8052-41-3	15 - 30
Attapulgate	12174-11-7	2 - 9
Calcium Carbonate	1317-65-3	15 - 30
Cellulose	9004-34-6	0 - 4
Crystalline Silica	14808-60-7	< 1

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.

¹ Component is not likely to occur above the limits of exposure considering its incorporated into the mixture and/or provided use.

² Concentrations above the limit of exposure are not likely to be found in the ambient air due to adhesion to the membrane's surface.

SECTION 4 FIRST AID MEASURES

Eyes If foreign matter enters eyes, immediately flush with large amounts of potable water for at least 15 minutes or until irritation subsides. Get medical attention if irritation persists.

Skin Remove contaminated clothing and wash with soap and water.

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 Consult a physician if unusual reaction is noted. Product is not intended nor is it likely to be ingested or eaten.

Symptoms, Acute & Delayed Immediate Medical Attention *Refer to Section 11 - Toxicological Information*
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials

SECTION 5 FIRE FIGHTING MEASURES

Fire Hazard	Combustible liquid
Flash Point	> 105 °F Tag Closed Cup LEL: 0.9% UEL: 6.0%
Hazardous Products of Combustions	H ₂ S, CO, CO ₂ and SOX.
Extinguishing Media	Foam CO ₂ 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. Use personal protective equipment as described in Section 8.
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.

ABBREVIATION KEY

LEL = Lower Explosion Limit
NFPA = National Fire Protection Association

UEL = Upper Explosion Limit

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH REL
Asphalt	8052-42-4	Not Established	0.5 mg/m ³ TWA (respirable) 8 hour	5 mg/m ³ Ceiling (15 min)
Naphtha Solvent, Light arom.	64742-95-6	2,000 mg/m ³ TWA	Not Established	350 mg/m ³ TWA 1800 mg/m ³ (15 min)
Mineral Spirits	8052-41-3	2,900 mg/m ³ TWA	100 ppm TWA	350 mg/m ³ TWA 1800 mg/m ³ (15 min)
Attapulgite	12174-11-7	Not Established	Not Established	Not Established
Calcium Carbonate	1317-65-3	5.0 mg/m ³ (respirable) 15 mg/m ³ (total)	10 mg/m ³ (total)	5.0 mg/m ³ (respirable) 10 mg/m ³ (total)
Cellulose	9004-34-6	5.0 mg/m ³ (respirable) 15 mg/m ³ (total)	10 mg/m ³ (total)	5.0 mg/m ³ (respirable) 10 mg/m ³ (total)
Crystalline Silica	14808-60-7	0.1 mg/m ³ TWA (respirable)	0.025 mg/m ³ TWA (respirable)	0.05 mg/m ³ TWA (respirable)

mppcf = Millions of particles per cubic foot of air

Engineering Measures/ Controls

Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

General Industrial Hygiene

Use good industrial hygiene practices in handling this material.

Environmental Exposure Controls

Follow best practice for site management and disposal of waste.

PERSONAL PROTECTIVE EQUIPMENT

Pictographs



Eyes/Face

Safety glasses with side shields

Follow the national guidelines concerning the use of protective eye wear.

Hand

Protective Gloves

Leather or cotton gloves may be worn to prevent skin contact and irritation.

Skin/Body

Normal work clothing (long sleeved shirts, long pants and smooth bottom work shoes) is recommended.

Inhalation

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

ABBREVIATION KEY

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

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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Black fibered mastic
Odor	Slight hydrocarbon odor
Odor Threshold	No data available
pH	No data available
Relative Evaporation Rate	No data available
Boiling Point	>212°F; ≤100 °C
Freezing Point	No data available
Flash Point	>105 °F; >40.5 °C
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Relative Density	No data available
Density (lb/gal)	<10.0
Percent Volatile	20 - 30%
Solubility in Water	Insoluble
VOC	2.08 lb/gal; 250 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, carbon dioxide, hydrogen sulfide and sulfur dioxide
Hazardous Polymerization	Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Component Analysis

COMPONENT	CAS NUMBER	ORAL LD50 (mg/kg)	DERMAL LD50 (mg/kg)	INHALATION LC50 (mg/m ³)
Asphalt	8052-42-4	>5,000 (rat)	>2,000 (rabbit)	>94.4 (rat)
Naphtha Solvent, light arom.	64742-95-6	>8,400 (rat)	>2,000 (rabbit)	3400 ppm (rat) 4 hrs
Attapulgite	8052-41-3	N/A	N/A	N/A
Mineral Spirits	12174-11-7	N/A	N/A	N/A
Calcium Carbonate	1317-65-3	>6,450 (rat)	N/A	N/A
Cellulose	9004-35-6	>5,000 (rat)	>2,000 (rabbit)	5,800 (rat) 4 hrs
Crystalline silica	14808-60-7	>500 (rat)	N/A	N/A

ABBREVIATION KEY

LD50 = Lethal dose, 50 percent

LC50 = Lethal concentration, 50 Percent

SECTION 11 TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Eyes

Acute (Immediate) Conjunctivitis, irritation, tearing and burning
Chronic (Delayed) No data available

Skin

Acute (Immediate) Irritation and inflammation. Allergic skin reaction may occur. Dermatitis
Chronic (Delayed) No data available

Inhalation

Acute (Immediate) Irritation to mucus membranes and respiratory tract, nausea, dizziness and headache
Chronic (Delayed) No data available

Ingestion

Acute (Immediate) Product is not intended nor is it likely to be ingested or eaten.
Chronic (Delayed) No data available

Component Carcinogenicity

Asphalt (8052-42-4)
 IARC: Group 2B - Possible Carcinogen
 Calcium Carbonate (1317-65-3)
 IARC: Group 2B - Possible Carcinogen
 Attapulgite (12174-11-7)
 IARC: Group 2B - Possible Carcinogen
 Crystalline silica (14808-60-7)
 IARC: Group 1 - Known Human Carcinogen (IARC Monograph 68 [1997])
 ACGIH: A2 - Suspected Human Carcinogen
 NTP: Known Human Carcinogen

Carcinogenic Effects

When used under normal conditions, this product is not considered a carcinogen.

Mutagenicity

Based on available data, the classification criteria are not met.

STOT Single Exposure

Based on available data, the classification criteria are not met.

STOT Repeated Exposure

OSHA HCS 2012 ▪ STOT RE Hazard Category 1

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

ABBREVIATION KEY

IARC = International Agency for Research on Cancer
 ACGIH = American Conference of Governmental Industrial Hygiene

NTP = National Toxicology Program
 STOT = Specific Target Organ Toxicity

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	B3; D2A
Sara 313	None present
Sara 311/312 Categories	Immediate Hazard; Delayed Hazard; Fire Hazard
CERCLA	None present
CA Proposition 65	Petroleum Asphalt (CAS #8052-42-4); Silica, crystalline (CAS #14808-60-7) WARNING: This product contains a chemicals known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
IRCA	Petroleum Asphalt (CAS #8052-42-4); Silica, crystalline (CAS #14808-60-7) Calcium Carbonate (CAS #1317-65-3), Attapulgit (12174-11-7)
NIOSH	Petroleum Asphalt (CAS #8052-42-4); Silica, crystalline (CAS #14808-60-7)

ABBREVIATION KEY

TSCA = Toxic Substances Control Act
WHMIS = Workplace Hazardous Materials Information System (Canada)
IARC = International Agency for Research on Cancer

DSL = Domestic Substances List (Canada)
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
NIOSH = National Institute for Occupational Safety

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
Hydrocarbon Solvent	64752-95-6	No	No	No	No	No	No
Mineral Spirits	8052-41-3	Yes	Yes	Yes	Yes	Yes	No
Attapulgit	12174-11-7	Yes	No	No	No	No	No
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes
Cellulose	9004-34-6	No	No	Yes	Yes	Yes	No
Crystalline Silica	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16 OTHER INFORMATION

Preparation Date April 2020
Revision Date March 2022
Summary of Changes Branding Update

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.