



Hot Mix Asphalt, Cold Mix Asphalt, Recycled Asphalt Pavement

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Hot Mix Asphalt, Cold Mix Asphalt, Recycled Asphalt Pavement.	
Common Names & Synonyms: Hot Mix Asphalt, SurePatch, RAP, Asphalt, Asphalt Concrete, and/or Blacktop.	
Manufacturer/Contact Info: Geneva Rock Products, Inc. 4393 Riverboat Rd Suite 400 Taylorsville, UT 84123 www.genevarock.com	General Phone Number: (801) 281-7900 (Monday – Friday 8:00 AM to 5:00 PM MST) Emergency Phone Number: (801) 616-6197 (24 hours / day, 7 days / week)
Recommend Use: Structural Component in Various Construction Applications.	Restrictions of Usage: None known when used as intended.

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification (e.g., flammable liquid, category): <ul style="list-style-type: none"> - Skin Irritation – Category 3 (mild irritant). - Eye Irritation – Category 2B. - Specific Target Organ Toxicity – Single Exposure (Respiratory Irritation) – Category 3. - Combustible solid. Note: This product is not classified as a carcinogen by NTP, IARC, or OSHA. Respirable crystalline silica may be present when product is cut, ground, or recycled, and is classified separately as a carcinogen.	Signal Word: Warning.
---	---------------------------------

Hazard Statement: <ul style="list-style-type: none"> - Causes skin irritation. - May cause respiratory irritation (fumes). - May cause cancer (inhalation of respirable crystalline silica). - Causes damage to lungs through prolonged or repeated exposure (inhalation).
--

Pictograms: 	Precautionary Statement: Prevention: <ul style="list-style-type: none"> - Avoid breathing dust, fumes, or vapors. - Use only outdoors or in well-ventilated area. - Wear protective gloves, eye/face protection, and heat-resistant clothing when handling hot asphalt. - Wash hands and exposed skin after handling. Response: <ul style="list-style-type: none"> - If on skin (hot asphalt): Cool with water. Do not remove asphalt from skin — seek medical attention. - If inhaled: Remove person to fresh air; get medical advice if symptoms occur. - If in eyes: Rinse cautiously with water for several minutes; remove contact lenses if easy to do; continue rinsing. Seek medical attention. Storage: <ul style="list-style-type: none"> - Store away from food, beverages, and incompatible materials. - Keep container closed when not in use. Disposal: <ul style="list-style-type: none"> - Dispose of contents/container in accordance with local/regional/national regulations. Asphalt (hot material & fumes): <ul style="list-style-type: none"> - Prevention: Avoid contact with hot material. Do not handle until all safety precautions have been read and understood. - Response: If burned by hot material: Cool immediately with water. Do not remove solidified asphalt from skin. Seek medical attention.
--	---



- **Response:** If exposed to fumes and symptoms occur: Get medical attention.

Hazards Not Otherwise Classified (HNOC):

- Hot asphalt may cause severe thermal burns. Cold material may create a slip hazard when spilled.

Statement of Unknown Acute Toxicity:

This product contains no ingredients of unknown acute toxicity.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances/Mixtures:

<u>Chemical Name</u>	<u>Common Name & Synonyms</u>	<u>(CAS) Number</u>	<u>% by Weight (typical range)</u>
Crystalline silica (Quartz)		14808-60-7	0-50%
Asphalt Binder		8052-42-4	5-15%
Additives / fillers		Varies	<5%

Notes:

- Ingredient concentrations are typical.
- This product contains no known impurities or stabilizing additives which contribute to its classification.
- See Section 8 for occupational exposure limits.

Trade Secret statement if any:

SECTION 4: FIRST AID MEASURES

Eye Contact:

- Rinse eyes cautiously with water.
- Seek medical attention if irritation occurs.

Skin Contact:

- Wash affected area with soap and water.
- If contact with hot material, cool immediately with water.
- Do not remove solidified asphalt from skin.
- Seek medical attention.

Inhalation:

- Remove person to fresh air.
- If inhaled fumes cause irritation, move to fresh air and seek medical attention if symptoms persist.

Ingestion:

- Rinse mouth.
- Do not induce vomiting.
- Seek medical attention if feeling unwell.

Most Important Symptoms/Effects (Acute and Delayed):

- **Acute:** Skin irritation, eye irritation, respiratory irritation from fumes.
- **Delayed:** Possible chronic lung effects from repeated inhalation of fumes or silica dust.

Note to Physician:

- Treat symptomatically. In cases of exposure, remove from source and seek medical attention. For eye or skin contact, rinse thoroughly with water. For inhalation, move to fresh air and provide oxygen if necessary. For burns, do not attempt to remove material from skin; seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

- Foam, dry chemical, CO₂, or water spray. Product is flammable.

Specific Hazards:



- Combustion may produce carbon monoxide, carbon dioxide, and irritating fumes.
- Special PPE or Other Precautions for Firefighters:**
- Wear protective clothing and self-contained breathing apparatus (SCBA) in confined or poorly ventilated areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions / Protective Equipment:**
- Keep unnecessary personnel away.
 - Avoid contact with hot asphalt or fumes.
 - Use protective clothing, gloves, and respiratory protection as needed.
 - Evacuate area if large spill or fire.
 - Consult safety personnel or experts as needed.
- Environmental Precautions:**
- Prevent material from entering drains, sewers, or waterways.
- Method for Containment and Cleanup:**
- Dike area to contain hot asphalt.
 - Allow to cool and solidify.
 - Shovel or scrape into suitable container for reuse or disposal.

SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling and Use:**
- Avoid contact with hot material.
 - Avoid inhalation of fumes.
 - Use heat-resistant gloves, protective clothing, and eye protection.
- Conditions for Safe Storage:**
- Store in a cool, dry, well-ventilated area.
 - Keep away from flames, sparks, or hot surfaces.
- Incompatibilities:**
- Avoid strong acids, oxidizers, open flames, or heat sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NIOSH REL</u>
Asphalt Fumes	None specifically established (see note)	0.5 mg/m ³ (inhalable fraction, TWA)	5 mg/m ³ (STEL, fume)
Particulates (nuisance dust from aggregates)	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)	10 mg/m ³ (inhalable), 3 mg/m ³ (respirable)	Same as OSHA

Note:
OSHA does not have a substance-specific PEL for asphalt fumes; the ceiling limit of 5 mg/m³ is a common industry reference.

Legend:
NE = Not Established; PEL = Permissible Exposure Limit; TLV = Threshold Limit Value; REL = Recommended Exposure Limit; TWA = Time-Weighted Average

Engineering and Administrative Controls:

- Provide local exhaust ventilation during heating and application to maintain exposures below limits.

Personal Protective Equipment (PPE):

- **Eye/Face:**
 - o Safety glasses with side shields or goggles.
- **Skin:**
 - o Heat-resistant gloves, long sleeves, full-length pants.
- **Respiratory:**
 - o NIOSH-approved respirator with organic vapor cartridges if fume exposures exceed limits.
- **Other:**
 - o Safety boots, hard hat, and additional PPE as required.

General protective and hygienic measures:

- Use with adequate ventilation. Avoid dust generation. Wash hands before breaks and after handling.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Black to dark brown, viscous liquid at elevated temperature; solid when cooled
Odor:	Petroleum-like
Odor Threshold:	0.1 to 1 ppm
pH:	Not Applicable
Melting/Freezing Point:	Softens between 125–150°F (52–66°C); no sharp melting point
Initial Boiling Point & Range:	> 700°F (> 371°C)
Flash Point:	> 450°F (232°C) (COC, typical)
Evaporation Rate:	Not Determined
Flammability (solid, gas):	Combustible solid
Upper/Lower Flammability or Explosive Limits:	Not Applicable
Vapor Pressure:	< 0.01 mm Hg (negligible at ambient temperature)
Vapor Density:	> 1 (heavier than air)
Relative Density:	~1.0–1.5 (typical for asphalt binder)
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	Not applicable
Auto-Ignition Temperature:	~775°F (413°C)
Decomposition Temperature:	Not Determined (decomposes at elevated temperatures producing fumes)
Viscosity:	Highly viscous when hot; solid when cooled

SECTION 10: STABILITY AND REACTIVITY	
Reactivity:	- Not reactive under normal conditions.
Chemical Stability:	- Stable under normal storage and use.
Possibility of Hazardous Reactions:	- No dangerous reactions known under normal conditions of use.
Conditions to Avoid:	- Avoid excessive heat, open flames, and strong oxidizers.
Incompatible Materials:	- Strong oxidizing agents.
Hazardous Decomposition Products:	- Thermal decomposition may release CO, CO ₂ , sulfur oxides, and various hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION	
Likely Routes of Exposure:	<ul style="list-style-type: none"> - Eye contact: <ul style="list-style-type: none"> o Fumes may irritate eyes; splashes of hot asphalt can cause severe eye injury. - Skin contact: <ul style="list-style-type: none"> o Hot asphalt can cause severe thermal burns; cold asphalt may cause minor irritation. - Inhalation: <ul style="list-style-type: none"> o Fumes from hot asphalt may irritate respiratory tract. - Ingestion: <ul style="list-style-type: none"> o Not expected under normal use; swallowing hot asphalt can cause severe injury.
Most Important Symptoms (Acute & Delayed):	- Hot asphalt: thermal burns to skin/eyes; inhalation of fumes may cause respiratory irritation, headache, nausea.
Effects of Overexposure / Chronic Effects:	- Chronic exposure to asphalt fumes may cause respiratory irritation; long-term inhalation of respirable crystalline silica (if present) may cause silicosis.
Toxicity data (LD₅₀/LC₅₀):	- No acute toxicity data available for this mixture or its ingredients.
Carcinogenicity:	- Asphalt fumes: not classifiable as to carcinogenicity in humans (IARC Group 2B); respirable crystalline silica, if present, is a known human carcinogen.



Other Information:

- Hydrogen sulfide (H₂S) may be present in trace amounts in asphalt fumes and can be hazardous at elevated concentrations.
- Symptoms of overexposure to fumes may include headache, dizziness, nausea, or respiratory discomfort.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

- May cause localized contamination of soil/water; large spills can coat surfaces.

Persistence & Degradability:

- Petroleum-based; persistent in environment.

Bioaccumulation Potential:

- Low for asphalt binder itself; lighter fractions may bioaccumulate slightly.

Mobility in Soil:

- Binder adheres to soil; limited mobility.

Other Adverse Effects:

- None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose of in accordance with local/regional regulations. May be used as fill where allowed.
- Cool and solidify before disposal.

SECTION 14: TRANSPORT INFORMATION

DOT Classification:

- Not regulated as a hazardous material.

UN Number / Proper Shipping Name:

- Not applicable.

SECTION 15: REGULATORY INFORMATION

OSHA HazCom:

- Classified as hazardous due to respirable crystalline silica (if present) and hot material.

Other Regulations:

- Asphalt binder may be listed under state Right-to-Know laws; respirable crystalline silica listed by IARC/NTP.

SECTION 16: OTHER INFORMATION

Prepared By: Ryan Hymas

Approved By: Daniel McDaniel

Approval Date or Revision Date: December 18, 2025

Date Of Previous SDS: Not Available

Disclaimer:

The information provided in this Safety Data Sheet is believed to be accurate and reliable as of the date of issue. However, no warranty or guarantee, express or implied, is made regarding its accuracy or completeness. The information is provided for the purpose of occupational health and safety and is not intended to represent any guarantee of the product's properties. Users are responsible for ensuring that their activities comply with all applicable laws and regulations. The company assumes no liability for misuse of the product.