



P.O. Box 419

Kingston, NJ 08528

## Hot Mix Asphalt Safety Data Sheet (SDS)

### Section 1: Identification

**Product Name:** Hot Mix Asphalt

**Synonyms:** Asphalt Concrete, Blacktop

**Manufacturer:** Trap Rock Industries

**Address:** 2215 Rt 27, Princeton, NJ

**Emergency Phone Number:** [Your Emergency Phone Number]

**Recommended Use:** Paving, construction material

**Restrictions on Use:** None identified

### Section 2: Hazard Identification

#### Classification of the Substance:

- Skin Corrosion/Irritation: Category 2
- Serious Eye Damage/Eye Irritation: Category 2A
- Carcinogenicity: Category 2

**Signal Word:** Warning

#### Hazard Statements:

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H351: Suspected of causing cancer.

#### Precautionary Statements:

- P202: Do not handle until all safety precautions have been read and understood.
- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352: IF ON SKIN: Wash with plenty of water.

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P308+P313: IF exposed or concerned: Get medical advice/attention.

### Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	Percentage
Stone (Aggregate)	Mixture	71%
Asphalt	8052-42-4	4-5%
Reclaimed Asphalt Pavement (RAP)	Mixture	25%
Cargill Anova Additive	Mixture	<1%
Cargill Warm Mix Additive	Mixture	<1%

### Section 4: First-Aid Measures

**Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen. Seek medical attention if symptoms persist.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

**Eye Contact:** Flush eyes with water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical attention.

### Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray, foam, dry chemical, or CO<sub>2</sub>.

**Unsuitable Extinguishing Media:** Do not use water jet.

**Specific Hazards Arising from the Chemical:** May produce toxic fumes, including CO, CO<sub>2</sub>, and sulfur oxides.

**Protective Equipment and Precautions for Firefighters:** Wear self-contained breathing apparatus and full protective gear.

### Section 6: Accidental Release Measures

**Personal Precautions:** Wear protective equipment. Avoid contact with skin and eyes.

**Environmental Precautions:** Prevent entry into waterways, sewers, or confined areas.

**Methods for Containment and Cleaning Up:** Contain spill. Collect using a shovel and place in appropriate containers for disposal. Clean contaminated area with water.

## Section 7: Handling and Storage

### Precautions for Safe Handling:

- Avoid breathing vapors.
- Avoid contact with skin and eyes.
- Use in well-ventilated areas.
- Wear appropriate personal protective equipment (PPE).

### Conditions for Safe Storage:

- Store in a cool, dry place.
- Keep containers tightly closed.
- Avoid exposure to heat, sparks, or open flames.

## Section 8: Exposure Controls/Personal Protection

### Exposure Limits:

Component	OSHA PEL	ACGIH TLV
Asphalt	5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>

### Engineering Controls:

- Provide adequate ventilation.
- Use local exhaust to keep exposure levels below occupational exposure limits.

### Personal Protective Equipment (PPE):

- **Respiratory Protection:** Use NIOSH-approved respirators if exposure limits are exceeded.
- **Skin Protection:** Wear heat-resistant gloves.
- **Eye Protection:** Safety glasses with side shields or goggles.
- **Hygiene Measures:** Wash hands before breaks and at the end of the workday.

## Section 9: Physical and Chemical Properties

- **Appearance:** Black, viscous mixture
- **Odor:** Asphalt-like
- **Odor Threshold:** Not available
- **pH:** Not applicable
- **Melting Point/Freezing Point:** Not applicable
- **Initial Boiling Point and Boiling Range:** >260°C (>500°F)
- **Flash Point:** >230°C (>446°F)
- **Evaporation Rate:** Not applicable
- **Flammability:** Not applicable
- **Upper/Lower Flammability or Explosive Limits:** Not applicable
- **Vapor Pressure:** Not applicable
- **Vapor Density:** Not applicable
- **Relative Density:** 2.4 - 2.8
- **Solubility:** Insoluble in water
- **Partition Coefficient:** Not applicable
- **Auto-ignition Temperature:** Not available
- **Decomposition Temperature:** Not available
- **Viscosity:** Not available

## Section 10: Stability and Reactivity

**Reactivity:** Not reactive under normal conditions.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** None under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, sulfur oxides.

## Section 11: Toxicological Information

**Information on Likely Routes of Exposure:**

- **Inhalation:** May cause respiratory irritation.
- **Skin Contact:** Causes skin irritation.
- **Eye Contact:** Causes serious eye irritation.
- **Ingestion:** Not expected to be a primary route of exposure.

### Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

- **Acute Symptoms:** Irritation to eyes, skin, and respiratory system.
- **Chronic Symptoms:** Prolonged exposure may cause dermatitis and may contribute to cancer risk.

### Carcinogenicity:

- IARC: Group 2B (Possibly carcinogenic to humans)
- NTP: Not listed
- OSHA: Not listed

## Section 12: Ecological Information

**Ecotoxicity:** Not expected to be harmful to aquatic organisms.

**Persistence and Degradability:** Not readily biodegradable.

**Bioaccumulative Potential:** Not expected to bioaccumulate.

**Mobility in Soil:** Low mobility due to low solubility in water.

**Other Adverse Effects:** None known.

## Section 13: Disposal Considerations

### Waste Treatment Methods:

- Dispose of in accordance with local, state, and federal regulations.
- Do not dispose of in waterways or sewers.

## Section 14: Transport Information

**UN Number:** Not regulated

**UN Proper Shipping Name:** Not applicable

**Transport Hazard Class:** Not applicable

**Packing Group:** Not applicable

**Environmental Hazards:** Not applicable

**Special Precautions for User:** Not applicable

## Section 15: Regulatory Information

### US Federal Regulations:

- **OSHA:** Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
- **TSCA:** All components are listed or exempt.

### State Regulations:

- **New Jersey Right to Know:** Asphalt (CAS 8052-42-4) is listed.

## Section 16: Other Information

**Date of Preparation:** 4/1/24

**Last Revision Date:** 4/1/24

**Disclaimer:** The information provided in this Safety Data Sheet is based on current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.

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This SDS is in compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200) and New Jersey Right to Know Act. For more detailed information, please refer to the appropriate regulations and standards.