

SAFETY DATA SHEET



GreenPatch 50 Pound Bag - Item #39F846
GreenPatch 40 Pound Pail - Item #39F847
Page 1 of 7; SDS, 39F84X, Rev. 1; 8/22/14

Section 1. Identification

1.1 Product Identifier

Product Name: Cold Mix Asphalt
Synonym: Cold Mix/Pothole Patching Material

1.2 Uses and uses advised against

Use: *Repairing asphalt pavement, parking lots, and driveways.*

1.3 Details of the supplier of the safety data sheet

Supplier name Cold Mix Manufacturing
Address 65 Edison Avenue Mount Vernon, NY 10550
Telephone 718-463-1444

1.4 Emergency Telephone number

Emergency 718-463-1444 (8 a.m. – 5 p.m. EST)
Emergency (A/H) 845-216-1926

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

GHS classifications Eye Irritation: Category 2
Skin Irritation: Category 3
Inhalation Irritation: Category 1

2.2 Label elements

Signal Word DANGER
Pictograms



Hazard Statements

Harmful by inhalation (contains crystalline silica).
Airborne particulates may cause immediate or delayed irritation or inflammation.
May cause skin irritation and dermatitis upon prolonged contact.

Prevention Statement

Use proper engineering controls, work practices, and personal protective equipment.

Other Hazards

Product is designed for use and application at ambient temperatures. The product should not be heated. If the product is heated, the release of toxic hydrogen sulfide (H₂S) may occur. Heated content may result in thermal burns.



Section 3. Composition Information on Ingredients

Ingredient	CAS Number	Percent by Weight
Aggregate (Dolomite)	7000-29-5	40 – 60
Reclaimed Asphalt Pavement (RAP)	Various	40 – 60
Asphalt (as fume)	8052-42-4	<10
Crystalline Silica (as quartz) (naturally in Aggregate & RAP)	14808-60-7	>1
Fatty Acid Alkyl esters	Various	<4

Section 4. First Aid Measures

4.1 Description of first aid measures

Eyes

- In case of contact, hold eyelids open and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

- Remove contaminated clothing and shoes. Wash affected areas with soap and water, or a mild detergent. Get medical attention if symptoms develop.

Inhalation

- Remove person from the contaminated area to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Ingestion

- Get medical attention immediately. DO NOT INDUCE VOMITING. If conscious, have person drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Product is designed for use and application at ambient temperatures. Contact with heated content may cause burns. This product or one of its ingredients present at 0.1% or more, are listed as a carcinogen by NTP, ARC, or OSHA.

4.3 Immediate medical attention and special treatment needed

If ingestion occurs, DO NOT induce vomiting. Ingestion may cause stomach distress, nausea, or vomiting. If conscious, drink water. Seek medical attention or contact Poison Control Center immediately.

Section 5. Fire Fighting Measures

5.1 Extinguishing media

In case of fire, use carbon dioxide, water spray (with caution) or dry chemical extinguisher.

5.2 Special hazards arising from the chemical

Combustible. During a fire, carbon monoxide, carbon dioxide, oxides of nitrogen and sulfur, hydrogen sulfide and irritating and/or toxic gases may be generated.

5.3 Advice for firefighters

A SCBA and full protection gear is recommended to limit exposure to combustion products when fighting any fire.



Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protection equipment as described in Section 8.

6.2 Environmental precautions

Avoid release to waterways and sewers.

6.3 Methods and materials for containment and cleaning up

Collect and dispose in accordance with applicable regulations. Use a shovel to scoop up and place in a suitable sturdy container for recovery or disposal.

Section 7. Handling and Storage

7.1 Precautions for safe handling

Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Thoroughly wash hands and exposed skin if exposed. Remove and launder clothing that is soiled.

7.2 Conditions for safe storage, including any incompatibilities

Keep metal containers tightly closed. Store in cool, dry, well-ventilated areas. DO NOT expose to heat, open flames, strong oxidizers or sources of ignition.

Section 8. Exposure Controls /Personal Protection

8.1 Exposure standards

Occupational Exposure Limits for Individual Ingredients (if applicable)

<u>Ingredient</u>	<u>OSHA PEL – TWA</u>	<u>ACGIH TLV-TWA</u>
Asphalt (fume)	5 mg/m ³	0.5mg/m ³ Benzene soluble aerosol
Silica (quartz)	10 mg/m ³ /%SiO ₂ +2 Respirable dust	0.25 mg/m ³

8.2 Engineering Controls

Use with adequate and local exhaust ventilation.

Personal Protection Equipment (PPE)

- Eye and Fire Protection; ANSI approved glasses, safety goggles or fire shield recommended.

Skin Protection

- Use protective gloves and apron to prevent skin contact.

Foot Protection

- Wear ANSI approved safety footwear.

Respiratory Protection

- None normally required. Respiratory protection equipment use may be required for secondary operation, such as cutting or operations causing dust or fumes. The level of respiratory protection required should be based on the evaluation of chemical exposure by a health or safety professional.



Section 9. Physical and Chemical Properties

Appearance:	Black granulated solid
Explosive limits:	Not explosive
Odor:	Slight petroleum odor
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative density:	>2.3
Melting Point/Freezing Point:	N/A
Solubility:	Not Soluble
Initial Boiling Point and boiling range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability:	Combustible
Partition Coefficient: n-octanol/water	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A

Section 10. Stability and Reactivity

10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability

Stable. Avoid contact with heat, sources of ignition and open flame.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Sources of ignition, open flame and strong oxidizing agents.

10.5 Incompatible materials

May be incompatible with strong acids, bases and oxidizing agents.

10.6 Hazardous decomposition products

Not expected to occur if handled and stored properly.



Section 11. Toxicological Information

11.1 Information on the likely routes of exposure

Testing has not been conducted on this product. Available data for individual ingredients are noted below.

Component	OSHA-PEL-TWA (mg/m ³)	ACGIH TLV-TWA (mg/m ³)	LD ₅₀ (rat, oral)	LC ₅₀
Asphalt (fume)	N/A	0.5	N/A	N/A
Crystalline Silica (quartz)	[(10) / (%SiO ₂ +2)] (R); [(30) / (%SiO ₂ +2)] (T)	0.025 (R)	N/A	N/A
Fatty acid alkyl ester	N/A	N/A	17.G/kg	N/A

11.2 Description of the delayed, immediate, or chronic effects from short- and long-term exposure, Carcinogenicity

Chronic/Carcinogenicity

- IARC classifies the below listed ingredients as carcinogenic to humans
- Silica, quartz (Group 1)
- Asphalt as Fume (Group 3A)
- ACGIH (A2) NTP (Group 2) have designated silica, quartz as suspected human carcinogens

Section 12. Ecological Information

12.1 Toxicity

The environmental impact (Eco-toxicity) of this product has not been investigated.

12.2 Persistence and degradability

The fatty acid alkyl ester is biodegradable.

12.3 Bioaccumulative potential

This product has not been tested for bioaccumulation potential.

12.4 Mobility in soil

Studies such as adsorption or leaching have not been conducted on this product.

12.5 Other adverse effects

Potential adverse effects have not been investigated.

Section 13. Disposal Considerations

13.1 Waste Disposal Method

Dispose in accordance with applicable federal, state, and local regulations. Refer to **Section 7 for Handling Procedures** and **Section 8 for exposure controls and PPE recommendations**. Do not incinerate. EPA Waste Numbers are not available for this product or its components. Prevent contamination of drains and waterways. Dispose contaminated packaging in accordance with local regulations.

Section 14. Transport Information

Not classified as a dangerous good by the criteria of the TDG code, US DOT, IMDG or IATA.

14.1 UN number: None allocated



14.2 UN proper shipping name: None allocated

14.3 Transport hazard classes: None allocated

14.4 Packing Group: None allocated

14.5 Environmental hazards: None allocated

14.6 Special precautions for user: None allocated

Section 15. Regulatory Information

U.S. Regulatory Information

OSHA/MSHA Hazard Communication: This product is considered by OSHA/MSHA to be a hazardous chemical and should be in the employees' hazard communication package.

CERCLA/Superfund: Neither this product nor its components are listed as a CERCLA hazardous substance.

EPCRA SARA Title III

Component	SARA 311/312	SARA 313 Title III
Aggregate (Silica)	Acute health hazard (irritation)	--
Asphalt	Delayed (chronic) health effects	--

RCRA: If discarded as purchased, this product is not hazardous waste either by listing or characteristic.

TSCA Components of this product are listed on the Toxic Substances Control Act, (TSCA) inventory.

Component	Ingredients/Components State Regulated by State					
	CA ¹	MA	MN	NJ	PA	RI
Silica, quartz	Yes	Yes	NK	Yes	Yes	NK
Asphalt	Yes	Yes	Yes	Yes	Yes	Yes

¹ Contains substances crystalline silica and asphalt; known by State of California to cause cancer. California's Proposition 65.

Canadian Regulatory Information

- Classification of this product by hazardous criteria of CPA component crystalline silica as D2A – very toxic and is subject to WHMIS requirements.

WHMIS – Canada Pictograms)



NFPA	HMIS
	HEALTH <input type="text" value="1"/>
	FLAMMABILITY <input type="text" value="0"/>
	REACTIVITY <input type="text" value="0"/>
	PERSONAL PROTECTION <input type="text"/>

**Section 16: Other Information****Abbreviations:**

>	Greater than	MSHA	Mine Safety and Health Administration
<	Less than	N/A	Not Applicable
ACGIH	American Conference of Governmental Industrial Hygienists	NFPA	National Fire Protection Association
ANSI	American National Standards Institute	NTP	National Toxicology Program
ARC	American Red Cross	OSHA	Occupational Safety and Health Administration
CAS No.	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act	pH	Negative log of hydrogen ion
CPA	Consumer Protection Agency	PPE	Personal Protective Equipment
DOT	U.S. Department of Transportation	R	Respirable Particulate
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act
EPCRA	Emergency Planning and Community Right-to-Know Act	SARA	Superfund Amendments and Reauthorization Act
EST	Eastern Standard Time	SCBA	Self-Contained Breathing Apparatus
HMIS	Hazardous Materials Identification System	T	Total Purchase
IARC	International Agency for Research on Cancer	TDG	Transportation of Dangerous Goods
IATA	International Air Transport Association.	TLV	Threshold Limit Value
IMDG	International Maritime Dangerous Goods Code	TSCA	Toxic Substances Control Act
LC ₅₀	Lethal Concentration	TWA	Total Weighted Average (8 hour)
LD ₅₀	Lethal Dose	VOC	Volatile Organic Compound
mg/m3	Milligrams per cubic meter	WHMIS	Workplace Hazardous Materials Information System

This SDS was created on August 22, 2014 by PRI Asphalt Technologies, Inc.; Tampa, FL 33610.

Cold Mix Manufacturing(CMM) believes the information contained herein is presented in good faith. However, CMM make no guarantees with respect to such accuracy and assumes no liability in connection with the use of the information contained herein which is not intended to be and should not be construed as legal advice or as insuring compliance with any federal, state, or local laws or regulations. Any party using this product should review all such laws, rules, or regulations prior to use, including, but not limited to U.S. and Canada Federal, Provincial and State regulations.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE.