

# Material Safety Data Sheet

Material Name: GreenPatch Liquid

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

### Manufacturer Information

Cold Mix Manufacturing  
120-30 28th Ave.  
Flushing, NY 11354

Phone: 718-463-1444  
Fax: 718-463-0292

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

Contact with molten product can cause severe thermal burns. Exposure to vapors may irritate the eyes, skin and respiratory tract.

### Potential Health Effects: Eyes

Vapors can irritate the eyes.

### Potential Health Effects: Skin

Contact with molten product can cause severe thermal burns. Vapors may irritate the skin.

### Potential Health Effects: Ingestion

Not considered a likely route of exposure during normal product use conditions.

### Potential Health Effects: Inhalation

Low concentrations (50-100 ppm) can irritate the eye and respiratory tract and may cause nervousness, cough, nausea and headache. Prolonged exposure to concentrations between 250 and 600 ppm may cause pulmonary edema (fluid on the lungs) and bronchial pneumonia. Brief exposure to concentrations above 500 ppm can cause unconsciousness and may be fatal.

### Medical Conditions Aggravated by Exposure

Inhalation of respirable dust may aggravate existing respiratory tract diseases. Exposure may aggravate existing skin conditions.

### HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
8052-42-4	Asphalt Cement	50-70
Trade Secret	Proprietary Softening Agent	28-43
Trade Secret	GreenPatch Additive	2-12

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

If hot material splashes into eyes, immediately flush eyes with water. Do not attempt to remove particles from eyes. Take victim to physician at once.

### First Aid: Skin

If molten product contacts skin, cool immediately with cold water. For extensive burns obtain medical attention immediately. Do not use solvents to remove Asphalt Cement from skin.

### First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

### First Aid: Inhalation

Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical attention.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.  
Irritating and highly toxic gases and fumes can evolve.

### Hazardous Combustion Products

Oxides of carbon, hydrogen sulfide and sulfur oxides.

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## Extinguishing Media

Dry chemical, carbon dioxide, foam and water fog. Water may cause frothing.

## Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Contain spilled material and do not allow to flow into public sewers or water systems.

### Clean-Up Procedures

Shut off all ignitions sources. Allow material to harden and transfer into container for proper disposal.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

Unused material can be recycled. Landfill wastes at approved sites. Dispose of in accordance with Federal, State, and Local regulations.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid breathing fumes. Contact can cause severe burns. Use in well ventilated areas. Dusts created by drilling or grinding cured Asphalt Cement may irritate the eyes and respiratory tract. For such operations, use approved respirators and avoid breathing dusts.

### Storage Procedures

Highly flammable and toxic fumes may build up in vapor spaces of storage tanks and transport compartments. Avoid breathing gases and keep ignition sources away from vents.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### A: Component Exposure Limits

#### Asphalt Cement (8052-42-4)

ACGIH: 0.5 mg/m3 TWA (fume, inhalable fraction, as benzene soluble aerosol)

NIOSH: 5 mg/m3 Ceiling (15 min, fumes)

### Engineering Controls

Use only in well ventilated areas.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Chemical safety goggles or full face mask.

#### Personal Protective Equipment: Skin

Use impervious gloves.

#### Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

#### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

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<b>Appearance:</b>	Brown-black fluid	<b>Odor:</b>	Pine oil/licorice
<b>Physical State:</b>	Liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	NA	<b>Vapor Density:</b>	>1
<b>Boiling Point:</b>	900°F	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Insoluble	<b>Specific Gravity:</b>	1.041
<b>Evaporation Rate:</b>	NA	<b>VOC:</b>	ND
<b>Octanol/H2O Coeff.:</b>	ND	<b>Flash Point:</b>	>400°F
<b>Flash Point Method:</b>	ND	<b>Upper Flammability Limit (UFL):</b>	ND
<b>Lower Flammability Limit (LFL):</b>	ND	<b>Burning Rate:</b>	ND
<b>Auto Ignition:</b>	ND		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Heat approaching flash and open flames.

### Incompatibility

Strong oxidizers.

### Hazardous Decomposition

Carbon monoxide, hydrogen sulfide, sulfur oxides.

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

##### Asphalt Cement (8052-42-4)

Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit:>2000 mg/kg

##### Proprietary Softening Agent (Trade Secret)

Oral LD50 Rat: >2000 mg/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

##### Asphalt Cement (8052-42-4)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free)

NIOSH: potential occupational carcinogen (roofing Asphalt Cement fumes & Asphalt Cement-based paints)

IARC: Supplement 7 [1987], Monograph 35 [1985] (extracts of steam-refined and air-refined) (Group 2B (possibly carcinogenic to humans))

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Proprietary Softening Agent (Trade Secret)

###### Test & Species

96 Hr LC50 Lepomis macrochirus

>1000 mg/L [static]

###### Conditions

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96 Hr EC50 Scenedesmus  
subspicatus

1.5 mg/L

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

Shipping Name: Not Regulated

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Asphalt Cement	8052-42-4	Yes	Yes	Yes	Yes	Yes	Yes

#### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

#### Additional Regulatory Information

#### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Asphalt Cement	8052-42-4	Yes	DSL	EINECS
Proprietary Softening Agent	Trade Secret	Yes	DSL	EINECS

## \*\*\* Section 16 - Other Information \*\*\*

### Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.