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

*** 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 ***

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt Cement</td>
<td>50-70</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Proprietary Softening Agent</td>
<td>28-43</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>GreenPatch Additive</td>
<td>2-12</td>
</tr>
</tbody>
</table>

*** 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 ignition 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 ***
Material Safety Data Sheet

Material Name: GreenPatch Liquid

Appearance: Brown-black fluid
Odor: Pine oil/licorice

Physical State: Liquid
pH: ND

Vapor Pressure: NA
Vapor Density: >1

Boiling Point: 900°F
Melting Point: ND

Solubility (H2O): Insoluble
Specific Gravity: 1.041

Evaporation Rate: NA
VOC: ND

Flash Point: >400°F

Flame and Explosion Characteristics

Boiling Point: 900°F
Melting Point: ND

Solubility (H2O): Insoluble
Specific Gravity: 1.041

Evaporation Rate: NA
VOC: 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 Conditions
96 Hr LC50 Lepomis macrochirus >1000 mg/L [static]
Material Safety Data Sheet

Material Name: GreenPatch Liquid

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 product's 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
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</thead>
<tbody>
<tr>
<td>Asphalt Cement</td>
<td>8052-42-4</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
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</thead>
<tbody>
<tr>
<td>Asphalt Cement</td>
<td>8052-42-4</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Proprietary Softening Agent</td>
<td>Trade Secret</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
</tbody>
</table>

*** 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.