SAFETY DATA SHEET

1. Identification
Product identifier
Cationic slow set asphalt emulsion

Other means of identification
SDS number
950194

Synonyms
APPLICABLE TO ALL CSS-1 D (DILUTE) PRODUCTS * APPLICABLE TO ALL CSS-1H D (DILUTE) PRODUCTS * CQS-1 * CQS-1H * CSS-1 * CSS-1 SPECIAL * CSS-1H * CSS-1H Slurry * CSS-1HP * CSS-1P * CIR-EE(S) * CIR-EE(H) * SB-EE(S) * SB-EE(H)

Recommended use
Road maintenance applications.

Recommended restrictions
Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

Manufacturer/Importer/Supplier/Distributor information
Manufacturer/Supplier
Flint Hills Resources Pine Bend, LLC
P.O. Box 64596
Pine Bend, MN
55164-0596
United States

Telephone Numbers - 24 hour Emergency Assistance
Chemtrec (US) 800-424-9300 (CCN: 8586)

Telephone numbers
General Assistance
316-828-7988
8-5 (M-F, CST)

SDS Assistance E-mail
msdsrequest@fhr.com

2. Hazard(s) identification
Physical hazards
Skin corrosion/irritation Category 2

Health hazards
Serious eye damage/eye irritation Category 2A
Sensitization, skin Category 1
Carcinogenicity Category 1B
Reproductive toxicity Category 2
Specific target organ toxicity, single exposure Category 3 narcotic effects
Specific target organ toxicity, repeated exposure Category 2 (liver, thymus, bone marrow)

Aspiration hazard Category 1

Environmental hazards
Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 2

OSHA defined hazards
Not classified.

Label elements
Signal word: Danger

Hazard statement: May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs (liver, thymus, bone marrow) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: Hydrogen Sulfide (H2S) may be present in trace quantities (by weight), but may accumulate to toxic concentrations such as in tank headspace. The presence of H2S is highly variable, unpredictable and does not correlate with sulfur content. Studies with similar products have shown that 1 ppm H2S by weight in liquid may produce 100 ppm or more H2S in the vapor headspace of the storage tank.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>25 - 93</td>
</tr>
<tr>
<td>Asphalt Binder</td>
<td>Mixture</td>
<td>7 - 75</td>
</tr>
<tr>
<td>Cationic Emulsifier Salt</td>
<td>Proprietary</td>
<td>≤ 5</td>
</tr>
<tr>
<td>Oil Distillates</td>
<td>Proprietary</td>
<td>≤ 5</td>
</tr>
</tbody>
</table>

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Asphalt</td>
<td>8052-42-4</td>
<td>≤ 75</td>
</tr>
<tr>
<td>Polymer Modifier</td>
<td>Proprietary</td>
<td>≤ 7</td>
</tr>
<tr>
<td>Polycyclic aromatic hydrocarbons</td>
<td>130498-29-2</td>
<td>≤ .1</td>
</tr>
<tr>
<td>Hydrogen sulfide</td>
<td>7783-06-4</td>
<td>≤ .1</td>
</tr>
</tbody>
</table>

Composition comments: The manufacturer has claimed one or more hazardous ingredients as trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

4. First-aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

For contact with hot material, immediately immerse affected area of skin in large amounts of cold water to dissipate heat and reduce the extent of thermal burns.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Ingestion**

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation: May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information**

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

- **Suitable extinguishing media**: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
- **Unsuitable extinguishing media**: Do not use water jet as an extinguisher, as this will spread the fire.
- **Specific hazards arising from the chemical**: During fire, gases hazardous to health may be formed. Hydrogen sulfide can react with the iron in an asphalt storage tank to form iron sulfide. Iron sulfide is pyrophoric. When exposed to air, iron sulfide is capable of igniting spontaneously.
- **Special protective equipment and precautions for firefighters**: Firefighters should wear full protective clothing including self contained breathing apparatus. Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires.
- **Fire fighting equipment/instructions**: Move containers from fire area if you can do so without risk. Stay away from ends of tanks. As with any fire, toxic gases, vapors, and fumes can be generated. Use pressure-demand self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Using water can cause frothing with increased fire intensity.

**Specific methods**

- **General fire hazards**: No unusual fire or explosion hazards noted. Material will burn in a fire. Hydrogen sulfide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning.

**6. Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

- **Methods and materials for containment and cleaning up**: The product is immiscible with water and will spread on the water surface. Prevent product from entering drains.

  - **Large Spills**: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

  - **Small Spills**: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

  - **Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.**

- **Environmental precautions**: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

- **Precautions for safe handling**: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Before entering storage tanks and commencing any operation in a confined area, check the atmosphere for oxygen content, hydrogen sulfide (H2S) and flammability.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-2 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (CAS 7783-06-4)</td>
<td>Ceiling</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (CAS 7783-06-4)</td>
<td>STEL</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Petroleum Asphalt (CAS 8052-42-4)</td>
<td>TWA</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (CAS 7783-06-4)</td>
<td>Ceiling</td>
<td>15 mg/m3</td>
</tr>
<tr>
<td>Petroleum Asphalt (CAS 8052-42-4)</td>
<td>Ceiling</td>
<td>5 mg/m3</td>
</tr>
</tbody>
</table>

Biological limit values

ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycyclic aromatic hydrocarbons</td>
<td>2.5 µg/l</td>
<td>1-Hydroxypyrene, with hydrolysis (1-HP)</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>(CAS 130498-29-2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Skin protection

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

Wear approved respiratory protection when working with this material unless ventilation or other engineering controls are adequate to keep airborne concentrations below recommended exposure standards. Follow respirator protection program requirements (OSHA 1910.134 or CSA-Z94.4-02(R2008), and ANSI / AIHA Z88.6) for all respirator use. Note: If any of the applicable hydrogen sulfide standards are likely to be exceeded, positive pressure supplied-air respiratory protection must be used.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary. Thermally protective apron and long sleeves are recommended when volume of hot material is significant.

General hygiene considerations

Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
9. Physical and chemical properties

Appearance
- Physical state: Liquid.
- Form: Viscous liquid.
- Color: Dark brown.

Odor: Musty.

Odor threshold: Not available.

pH: 2.1 - 11.4

Melting point/freezing point: < 32 °F (< 0 °C)

Initial boiling point and boiling range: > 212 °F (> 100 °C)

Flash point: > 212.0 °F (> 100.0 °C) Pensky-Martens Closed Cup (ASTM D93)

Evaporation rate: Not available.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%): Not available.
- Flammability limit - upper (%): Not available.
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor density: Not available.

Relative density: 0.9 - 1.1

Relative density temperature: 60 °F (15.56 °C)

Solubility(ies)
- Solubility (water): Dispersible
- Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: 10 - 700 SFS

Viscosity temperature: 77 °F (25 °C)

Other information
- Explosive properties: Not explosive.
- Oxidizing properties: Not oxidizing.

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure
- Skin contact: Causes skin irritation. May cause an allergic skin reaction.
- Eye contact: Causes serious eye irritation.
Ingestion

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics


Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways.

Toxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (CAS 7783-06-4)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
</tr>
<tr>
<td>Gas</td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>444 ppm, 4 Hours</td>
</tr>
<tr>
<td>Petroleum Asphalt (CAS 8052-42-4)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
</tr>
<tr>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>&gt; 2000 mg/kg, 24 hours</td>
</tr>
<tr>
<td>LC50</td>
<td>&gt; 94.4 mg/m3</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td></td>
</tr>
<tr>
<td>Causes skin irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td></td>
</tr>
<tr>
<td>Causes serious eye irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Not a respiratory sensitizer.</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td></td>
</tr>
<tr>
<td>IARC Monographs. Overall Evaluation of Carcinogenicity</td>
<td></td>
</tr>
<tr>
<td>Petroleum Asphalt (CAS 8052-42-4)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
<tr>
<td>NTP Report on Carcinogens</td>
<td></td>
</tr>
<tr>
<td>Polycyclic aromatic hydrocarbons (CAS 130498-29-2)</td>
<td>Known To Be Human Carcinogen.</td>
</tr>
<tr>
<td>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</td>
<td></td>
</tr>
<tr>
<td>Not listed.</td>
<td></td>
</tr>
<tr>
<td><strong>Reproductive toxicity</strong></td>
<td></td>
</tr>
<tr>
<td>Suspected of damaging fertility or the unborn child.</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - single exposure</strong></td>
<td></td>
</tr>
<tr>
<td>May cause drowsiness and dizziness.</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - repeated exposure</strong></td>
<td></td>
</tr>
<tr>
<td>May cause damage to organs (liver, thymus, bone marrow) through prolonged or repeated exposure.</td>
<td></td>
</tr>
<tr>
<td><strong>Aspiration hazard</strong></td>
<td></td>
</tr>
<tr>
<td>May be fatal if swallowed and enters airways.</td>
<td></td>
</tr>
<tr>
<td><strong>Chronic effects</strong></td>
<td></td>
</tr>
<tr>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological information

Ecotoxicity

Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (CAS 7783-06-4)</td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td></td>
</tr>
<tr>
<td>EC50</td>
<td>0.042 mg/l, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>0.0243 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td></td>
</tr>
<tr>
<td>Not readily biodegradable.</td>
<td></td>
</tr>
</tbody>
</table>
Bioaccumulative potential  
Has the potential to bioaccumulate.

Mobility in soil  
May partition into air, soil and water.

Other adverse effects  
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions  
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations  
Dispose in accordance with all applicable regulations.

Hazardous waste code  
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT  
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

General information  
This description may not cover shipping in all cases, please consult 49 CFR 100-185 for specific shipping information or Transport Compliance Specialist (CSO).

In accordance with US DOT, bulk and non-bulk shipments of this product, which are offered for transportation below 212°F (100°C), are not regulated.

BILL OF LADING - NON-BULK (U. S. DOT): Non-regulated by DOT

15. Regulatory information

US federal regulations  
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)  
Hydrogen sulfide (CAS 7783-06-4)  
Listed.

Petroleum Asphalt (CAS 8052-42-4)  
Listed.

SARA 304 Emergency release notification  
HYDROGEN SULFIDE (CAS 7783-06-4)  
100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)  
Not listed.

Toxic Substances Control Act (TSCA)  
All components on the TSCA 8(b) inventory are designated "active" or are exempt from reporting under the Inventory Update Rule.

Superfund Amendments and Reauthorization Act of 1986 (SARA)  
SARA 302 Extremely hazardous substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity (pounds)</th>
<th>Threshold planning quantity, lower value (pounds)</th>
<th>Threshold planning quantity, upper value (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide</td>
<td>7783-06-4</td>
<td>100</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>SARA 311/312 Hazardous chemical</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Cationic slow set asphalt emulsion  
950194  Version #: 01  Revision date: -  Issue date: 19-February-2020
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycyclic aromatic hydrocarbons</td>
<td>130498-29-2</td>
<td>≤ .1</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Polycyclic aromatic hydrocarbons (CAS 130498-29-2)
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Hydrogen sulfide (CAS 7783-06-4)
Safe Drinking Water Act (SDWA)
FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
Hydrogen sulfide (CAS 7783-06-4) High priority

US state regulations

US. Massachusetts RTK - Substance List
Hydrogen sulfide (CAS 7783-06-4)
Petroleum Asphalt (CAS 8052-42-4)
US. New Jersey Worker and Community Right-to-Know Act
Hydrogen sulfide (CAS 7783-06-4)
Petroleum Asphalt (CAS 8052-42-4)
Polycyclic aromatic hydrocarbons (CAS 130498-29-2)
US. Pennsylvania Worker and Community Right-to-Know Law
Hydrogen sulfide (CAS 7783-06-4)
Petroleum Asphalt (CAS 8052-42-4)
Polycyclic aromatic hydrocarbons (CAS 130498-29-2)
US. Rhode Island RTK
Hydrogen sulfide (CAS 7783-06-4)
Petroleum Asphalt (CAS 8052-42-4)

California Proposition 65

WARNING: This product can expose you to Asphalt, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance
Petroleum Asphalt (CAS 8052-42-4) Listed: January 1, 1990
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
Hydrogen sulfide (CAS 7783-06-4)
Petroleum Asphalt (CAS 8052-42-4)
Polycyclic aromatic hydrocarbons (CAS 130498-29-2)

16. Other information, including date of preparation or last revision

Issue date 19-February-2020
Revision date -
Version # 01
HMIS® ratings
Health: 3*
Flammability: 0
Physical hazard: 0

NFPA ratings

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Cationic slow set asphalt emulsion
950194 Version #: 01 Revision date: - Issue date: 19-February-2020