1. Identification

Product identifier: Fracture Ban
Other means of identification: None.
Recommended use: Crack isolation membrane.
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name: LATICRETE International
Address: 1 Laticrete Park, N
Bethany, CT 06524
Telephone: (203)-393-0010
Contact person: Steve Fine
Website: www.laticrete.com
Emergency phone number: Call CHEMTREC day or night
USA/Canada - 1.800.424.9300
Mexico - 1.800.681.9531
Outside USA/Canada - 1.703.527.3887

2. Hazard(s) identification

Physical hazards: Not classified.
Health hazards:
- Carcinogenicity: Category 1A
- Reproductive toxicity: Category 2
- Specific target organ toxicity, repeated exposure: Category 1 (Adrenal gland, Bone marrow, Kidney, Liver, Lymph node, Stomach, Thymus)

Environmental hazards: Hazardous to the aquatic environment, long-term hazard
OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (Adrenal gland, Bone marrow, Kidney, Liver, Lymph node, Stomach, Thymus) through prolonged or repeated exposure. Harmful 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 dust/fume/gas/mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
Response: If exposed or concerned: Get medical advice/attention.
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td>75 - 90</td>
</tr>
<tr>
<td>Distillates (petroleum), heavy naphthenic</td>
<td>64741-53-3</td>
<td>0 - 10</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic</td>
<td>64741-96-4</td>
<td>0 - 10</td>
</tr>
</tbody>
</table>

Composition comments
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

**Inhalation**
In case of inhalation of fumes from heated product: Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.

**Skin contact**
Wash with soap and water. Cool melted product on skin with plenty of water. Do not remove solidified product. Get medical attention if any discomfort continues.

**Eye contact**
Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing. If hot product contacts eye, flush with water for at least 15 minutes and seek medical attention immediately.

**Ingestion**
Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Only induce vomiting at the instruction of medical personnel.

**Most important symptoms/effects, acute and delayed**
Contact with hot product may cause severe burns.

**Indication of immediate medical attention and special treatment needed**
Treat symptomatically. The effects might be delayed.

5. Fire-fighting measures

**Suitable extinguishing media**
Foam, carbon dioxide or dry powder.

**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.

**Special protective equipment and precautions for firefighters**
Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**
Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. In case of spills, beware of slippery floors and surfaces. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up**
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Small Spills: Scrape up with shovels into a suitable container for recycle or disposal.

Clean surface thoroughly to remove residual contamination. Retain all contaminated water for removal and treatment.

**Environmental precautions**
Contain spillages with sand, earth or any suitable adsorbent material. Prevent entry into waterways, sewer, basements or confined areas. Do not allow material to contaminate ground water system. Reporting of releases to appropriate regulatory agencies may be required.
7. Handling and storage

Precautions for safe handling
Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. When using, do not eat, drink or smoke. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Keep away from incompatible materials, open flames and high temperatures. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

2000 mg/m³
500 ppm

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt (CAS 8052-42-4)</td>
<td>TWA</td>
<td>0.5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt (CAS 8052-42-4)</td>
<td>Ceiling</td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)</td>
<td>Ceiling</td>
<td>1800 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) 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.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Hand protection
Wear chemical-resistant, impervious gloves.

Other
Wear appropriate chemical resistant clothing.

Respiratory protection
In case of inadequate ventilation or when the product is heated, an approved respirator must be worn.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
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. Contaminated work clothing should not be allowed out of the workplace.
9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid sheets.</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid.</td>
</tr>
<tr>
<td>Form</td>
<td>Sheet.</td>
</tr>
<tr>
<td>Color</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Log Kow: &gt;3</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>The product is stable and non-reactive under normal conditions of use, storage and transport.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Stable under normal temperature conditions and recommended use.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Contact with incompatible materials.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Thermal decomposition or combustion may liberate toxic and/or corrosive gases or fumes. Carbon oxides. Sulfur oxides.</td>
</tr>
</tbody>
</table>

11. Toxicological information

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>When heated, the vapors/fumes given off may cause respiratory tract irritation.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Hot material will produce thermal burns.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Exposure to hot material may cause thermal burns.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Ingestion may cause irritation and malaise.</td>
</tr>
<tr>
<td>Symptoms related to the physical, chemical and toxicological characteristics</td>
<td>Hot material will produce thermal burns.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Toxicological Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Hot material will produce thermal burns.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause skin irritation.</td>
</tr>
</tbody>
</table>
Serious eye damage/eye irritation
- May cause eye irritation.

Respiratory or skin sensitization
- Respiratory sensitization: Not classified.
- Skin sensitization: Not classified as a sensitizer.

Germ cell mutagenicity
- Not classified.

Carcinogenicity
- May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity
- Asphalt (CAS 8052-42-4) 2B Possibly carcinogenic to humans.
- Distillates (petroleum), heavy naphthenic (CAS 64741-53-3) 1 Carcinogenic to humans.

NTP Report on Carcinogens
- Distillates (petroleum), heavy naphthenic (CAS 64741-53-3) Known To Be Human Carcinogen.
- Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
- Not listed.

Reproductive toxicity
- Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure
- Not classified.

Specific target organ toxicity - repeated exposure
- Causes damage to organs (Adrenal gland, Bone marrow, Kidney, Liver, Lymph node, Stomach, Thymus) through prolonged or repeated exposure.

Aspiration hazard
- Not classified.

Chronic effects
- Contains polycyclic aromatic compounds which have been shown to cause anemia, disorders of the liver, bone marrow and lymphoid tissues in rats following dermal application.

12. Ecological information

Ecotoxicity
- Harmful to aquatic life with long lasting effects.

Persistence and degradability
- Expected to be inherently biodegradable.

Bioaccumulative potential
- No data available.

Mobility in soil
- No data available.

Mobility in general
- The product is insoluble in water. Lighter weight components will spread on the water surface while heavier weight components will sink. Components will eventually sediment in water systems.

Other adverse effects
- No data available.

13. Disposal considerations

Disposal instructions
- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not contaminate ponds, waterways or ditches with chemical or used container.

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

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
- Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
- Not regulated as dangerous goods.

IATA
- Not regulated as dangerous goods.

IMDG
- Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

This substance/mixture is not intended to be transported in bulk.

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
Asphalt (CAS 8052-42-4) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations
WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List
Asphalt (CAS 8052-42-4)
Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)
Distillates (petroleum), solvent-refined heavy naphthenic (CAS 64741-96-4)

US. New Jersey Worker and Community Right-to-Know Act
Asphalt (CAS 8052-42-4)

US. Pennsylvania Worker and Community Right-to-Know Law
Asphalt (CAS 8052-42-4)
Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)

US. Rhode Island RTK
Not regulated.

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Asphalt (CAS 8052-42-4)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Country(s) or region</td>
<td>Inventory name</td>
<td>On inventory (yes/no)*</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------------------------------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>08-July-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>-</td>
</tr>
<tr>
<td>Version #</td>
<td>01</td>
</tr>
</tbody>
</table>

NFPA ratings

![NFPA ratings](image)

**References**

- HSDB® - Hazardous Substances Data Bank
- Registry of Toxic Effects of Chemical Substances (RTECS)

**Disclaimer**

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