

**1. Identification**

**GHS product identifier** GemSeal Crack Flex Pro

**Version #** 01  
**Issue Date** 05-20-2015  
**Recommended use** Pavement Crack and Joint Sealing  
**Recommended Restrictions** Not available.  
**Supplier :** Bonsal American, Inc.  
**Supplier Address:** 8201 Arrowridge Blvd.  
 Charlotte, NC 28273 USA

**Telephone:** 800-334-0784

**CHEMTREC:** 800-424-9300

**2. Hazards Identification**

**GHS classification**

|                              |  |                |
|------------------------------|--|----------------|
| <b>Physical hazards</b>      | Not classified.  |                |
| <b>Health hazards</b>        | Skin corrosion / irritation                            | Category 2     |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Not classified |
|                              | Hazardous to the aquatic environment, long-term hazard | Not classified |

**GHS label elements**

**Signal word** Warning



**Hazard statement** Causes skin irritation.  
**Prevention** Wear protective gloves / protective clothing. Wash hands thoroughly after handling.  
**Response** IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing. Rinse skin with water / shower. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash before reuse. Specific treatments see Section 4 of this SDS.  
**Storage** Store in a well-ventilated place. Keep cool.  
**Disposal** Dispose of contents / container in accordance with local / regional / national / international regulations.

**3. Composition / Information on Ingredients**

| Components   | CAS #      | Percent |
|--|------------|---------|
| ASPHALT  | 8052-42-4  | 25-95   |
| MINERAL FILLER   | MIXTURE    | 0-75    |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC | 64742-52-5 | 0-30    |
| VULCANIZED RUBBER COMPOUND                             | MIXTURE    | 0-25    |
| POLYESTER FIBERS                                       | 25038-59-9 | 0-8     |

**4. First Aid Measures**

**First aid procedures**

**Eye** Get medical attention if irritation develops and persists.

|  |   |
|--|---|
| <b>Skin</b>  | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.   |
| <b>Inhalation</b>  | Not available.  |
| <b>Ingestion</b>   | Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor / physician if you feel unwell.   |
| <b>Notes to physician</b>                                    | In case of ingestion, the decision of whether or not to induce vomiting should be made by the attending physician. Certain pre-existing conditions may make workers particularly susceptible to the effects of this chemical: asthma, allergies, impaired pulmonary function. |
| <b>General advice</b>  | 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. Discard any shoes or clothing items that cannot be decontaminated.                  |
| <b>5. Fire-fighting Measures</b>                             |   |
| <b>Flammable properties</b>                                  | Not flammable by OSHA criteria.   |
| <b>Extinguishing media</b>                                   |   |
| <b>Suitable extinguishing media</b>                          | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Addition of water or foam to the fire may cause frothing.  |
| <b>Unsuitable extinguishing media</b>                        | Do not use a solid water stream as it may scatter and spread fire.  |
| <b>Protection of firefighters</b>                            |   |
| <b>Specific hazards arising from the chemical</b>            | Development of hazardous combustion gases or vapors possible in the event of a fire. The following may develop: Acrolein.   |
| <b>Protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters' protective clothing will only provide limited protection.                           |
| <b>Fire fighting equipment/instructions</b>                  | In case of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. By fire, toxic gases may be formed (CO, NO <sub>x</sub> ). Keep run-off water out of sewers and water sources. Dike for water control.                              |
| <b>Specific methods</b>                                      | In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.   |
| <b>Hazardous combustion products</b>                         | Oxides of carbon and nitrogen Sulfur dioxide.   |
| <b>6. Accidental Release Measures</b>                        |   |
| <b>Personal precautions</b>                                  | Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch or walk through spilled material.   |
| <b>Environmental precautions</b>                             | Runoff or release to sewer, waterway, or ground is forbidden.   |
| <b>Methods for containment</b>                               | ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).  |
| <b>Methods for cleaning up</b>                               | Dike far ahead of spill for later disposal. Collect and dispose of spillage as indicated in section 13 of this SDS.   |
|  | Never return spills in original containers for re-use.  |
| <b>7. Handling and Storage</b>                               |   |
| <b>Handling</b>  | The product is non-combustible. If headed, irritating vapors may be formed. Wash hands thoroughly after handling. Observe good industrial hygiene practices.  |
| <b>Storage</b>   | Prevent electrostatic build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep the container tightly closed and dry. Keep out of the reach of children.  |
| <b>8. Exposure Controls / Personal Protection</b>            |   |
| <b>Control parameters</b>                                    |   |

| <b>US. ACGIH Threshold Limit Values</b>                                   |             |  |                     |
|---|-------------|--|---------------------|
| <b>Components</b>   | <b>Type</b> | <b>Value</b>   | <b>Form</b>         |
| ASPHALT (8052-42-4)   | TWA         | 0.5 mg/m <sup>3</sup>                                    | Inhalable fraction. |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>NAPHTHENIC (64742-52-5) | TWA         | 5 mg/m <sup>3</sup>                                      | Inhalable fraction. |
| <b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</b>  |             |  |                     |
| <b>Components</b>   | <b>Type</b> | <b>Value</b>   | <b>Form</b>         |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>NAPHTHENIC (64742-52-5) | PEL         | 5 mg/m <sup>3</sup><br>2000 mg/m <sup>3</sup><br>500 ppm | Mist.               |

**Personal protective equipment**

**Eye/face protection**

Wear safety glasses: chemical goggles (if splashing is possible). Wear chemical goggles: face shield (if handling molten material).

**Skin protection**

Wear suitable protective clothing and eye/face protection. Use of an impervious apron is recommended.

**Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General hygiene considerations**

When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties**

**Appearance**

Solid.

**Physical state**

Solid.

**Form**

Solid.

**Color**

Black. Dark brown.

**Odor**

Product is a black, semi-solid with a burnt tar odor.

**Odor threshold**

Not available.

**pH**

Not available.

**Vapor pressure**

Not available.

**Vapor density**

Not available.

**Boiling point**

> 800 °F (> 426.7 °C)

**Melting point / Freezing point**

150-250 °F (65.6 – 121.1 °C) ASTM D36 Softening Point

**Solubility (water)**

Not available.

**Specific gravity**

1 – 1.9

**Relative density**

Not available.

**Flash Point**

> 400 °F (> 204.4 °C)

**Flammability limits in air, upper, % by volume**

Not available.

**Flammability limits in air, Lower, % by volume**

Not available.

**Auto-ignition temperature**

> 700 °F (> 371.1 °C)

**VOC**

0 %

**Percent volatile**

0 %

**Other data**

**Density**

N8.3 – 15.8 lb/gal

**Flammability class**

Combustible IIIB

**10. Stability and Reactivity**

**Chemical stability**

Stable

**Possibility of hazardous reactions**

Hazardous polymerization does not occur.

**Conditions to avoid**

Strong oxidizing agents.

**Incompatible materials**

Incompatible with oxidizing agents.

**Hazardous decomposition products**

Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of nitrogen and sulfur, and water.

**11. Toxicological Information**

**Routes of exposure** Inhalations. Skin contact.  
**Chronic effects** Prolonged inhalation may be harmful. May cause eczema-like skin disorders (dermatitis).  
**Skin corrosion / irritation** Defats the skin. Causes irritation.  
**Serious eye damage / eye irritation** Irritating to eyes.  
**Other information** Not available.

**12. Ecological Information**

**Ecotoxicity** This product has no known eco-toxicological effects.  
**Environmental effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
**Persistence and degradability** Not available.  
**Bioaccumulative potential** Not available.  
**Mobility in soil** Not available.  
**Other adverse effects** Not available.

**13. Disposal Considerations**

**Disposal methods** Dispose of contents / container in accordance with local / regional / national / international regulations.  
**Waste codes** Not applicable.

**14. Transport Information**

**DOT**  
**Basic shipping requirements:**  
**Special precautions** Not regulated as dangerous goods.

**15. Regulatory Information**

**CERCLA (Superfund) reportable quantity** None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard – Yes  
 Delayed Hazard – Yes  
 Fire Hazard – No  
 Pressure Hazard – No  
 Reactivity Hazard – No

**Section 302 extremely hazardous substance** No  
**Section 311 hazardous chemical** No

**Inventory status**

| Country(s) or region        | Inventory Name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINESC) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and new Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

**State regulations**

**US – California Proposition 65 – CRT: Listed date/Carcinogenic substance**  
 ASPHALT (CAS 8052-54-4) Listed: January 1, 1990 Carcinogenic.

|   |                             |
|---|-----------------------------|
| <b>US – Minnesota Haz Subs: Cancer designation applies</b>            |                             |
| ASPHALT (CAS 8052-54-4)   | Cancer designation applies. |
| DISTILLATES (PETROLEUM), HYDROTREATED                                 | Cancer designation applies. |
| HEAVY NAPHTHENIC (CAS 64742-52-5)                                     |                             |
| <b>US – Minnesota Haz Subs: Hazardous substance</b>                   |                             |
| ASPHALT (CAS 8052-42-4)   | Hazardous substance.        |
| <b>US – New Jersey RTK – Substances: Listed substance</b>             |                             |
| ASPHALT (CAS 8052-42-4)   | Listed.                     |
| <b>US – Pennsylvania RTK – Hazardous Substances: Listed substance</b> |                             |
| ASPHALT (CAS 8052-42-4)   | Listed.                     |
| <b>US – Pennsylvania RTK – Hazardous Substances: Special hazard</b>   |                             |
| ASPHALT (CAS 8052-42-4)   | Special hazard.             |

## 16. Other Information

### Further information

HMIS® is a registered trade and service mark of the NPCA.

### HMIS® ratings

Health: 1\*

Flammability: 1

Physical hazard: 0

### NFPA ratings

Health: 1

Flammability: 1

Instability: 0

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### Revision date

**This data sheet contains changes from the previous version in section(s):**