

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

Physical hazards	Not classified.	
Health hazards	Skin corrosion / irritation	Category 2
Environmental hazards	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.

Skin	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.
Inhalation	Not available.
Ingestion	Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor / physician if you feel unwell.
Notes to physician	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.
General advice	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.
5. Fire-fighting Measures	
Flammable properties	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). Addition of water or foam to the fire may cause frothing.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters	
Specific hazards arising from the chemical	Development of hazardous combustion gases or vapors possible in the event of a fire. The following may develop: Acrolein.
Protective equipment and precautions for firefighters	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.
Fire fighting equipment/instructions	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, NOx). Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	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.
Hazardous combustion products	Oxides of carbon and nitrogen Sulfur dioxide.
6. Accidental Release Measures	
Personal precautions	Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch or walk through spilled material.
Environmental precautions	Runoff or release to sewer, waterway, or ground is forbidden.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Methods for cleaning up	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.
7. Handling and Storage	
Handling	The product is non-combustible. If headed, irritating vapors may be formed. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
Storage	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.
8. Exposure Controls / Personal Protection	
Control parameters	

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

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