



# HydroPatch

## High Performance Water-Activated Asphalt Cold Patch



### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 08/01/2023 Version: 1.1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Product name : HydroPatch

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Water Activated asphalt cold patch repair for asphalt and concrete surfaces

### 1.3. Details of the supplier of the safety data sheet

SpecChem, LLC  
1511 Baltimore Ave, Suite 600  
Kansas City, MO 64108  
866.791.8700

### 1.4. Emergency telephone number

Emergency number : **VelocityEHS** 1-(800)255-3924 (North America) +1-813-248-0585 (International) 1-300-954-583  
(Australia) 0-800-591-6042 (Brazil) 400-120-0751 (China) 000-800-100-4086 (India) 800-099-0731 (Mexico)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Carc. 1A H350 Suspected of causing cancer

Full text of H statements : see section 16

### 2.2. Label elements

#### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H350 – May cause cancer  
Precautionary statements (GHS-US) : P201 – Obtain special instructions before use  
P202 – Do not handle until all safety precautions have been read and understood  
P280 – Wear protective equipment  
P308 + P313 – If exposed or concerned: Get medical advice/attention

### 2.3. Other hazards

Other hazards not contributing to the classification: : Vapors and gases from heated asphalt may contain hydrogen sulfide and may be irritating to the eyes and skin. Skin contact with asphalt may cause skin irritation and allergix reactions in some individuals. Hot material may cause burns.

### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable – product is a mixture

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#### 3.2. Mixture

Name	Product identifier	% by weight	GHS-US classification
Binder*	Proprietary*	6 – 7*	Shin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Limestone, Sand, & Gravel	(CAS No) 14808-60-7	93-94%	Acute Tox. 4 (Oral), H302 Carc. 1A, H350
Carbon Black	(CAS No) 1333-86-4	<0.5*	Carc. 2, H351

\*The exact concentration has been withheld as a trade secret

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and seek medical attention. No attempt should be made to remove material from skin.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

##### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause cancer by inhalation.

##### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

#### SECTION 5: Firefighting measures

##### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

##### 5.2. Specific hazards arising from the chemical

No additional information available

##### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Contain all water used for fire-fighting to the greatest extent possible.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including NIOSH approved positive-pressure breathing apparatus with full face mask and full protective equipment.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

###### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

##### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

##### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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**6.4. Reference to other sections**

See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing vapors. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Keep only in the original container in a cool, well ventilated place away from oxidizers, excessive heat, and open flame. Keep container closed when not in use. Do not freeze.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

<b>Asphalt (8052-42-4)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup> inhalable fraction
<b>Hydrogen Sulfide (7783-06-4) may be released from this product</b>		
USA ACGIH	ACGIH TWA (PPM)	1 ppm
USA ACGIH	ACGIH STEL (ppm)	5 ppm
USA OSHA	OSHA PEL (ppm) (Vacated limits)	10 ppm
USA OSHA	OSHA STEL (ppm) (Vacated limits)	15 ppm
USA OSHA	OSHA Ceiling (ppm)	20 ppm
<b>Limestone, sand,&amp; gravel (14808-60-7)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable)
OSHA	OSHA PEL	10 mg/m <sup>3</sup> (respirable) (%SiO <sub>2</sub> +2)
<b>Carbon Black (1333-86-4)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust)

**8.2. Exposure controls**

Appropriate engineering controls : Ensure that proper ventilaton is provided to maintain exposures below regulated limits.

Personal protective equipment : Avoid all unnecessary exposure. At a minimum wear long sleeved cotton shirt buttoned at the heated. Do not fold back or roll up cuffs.

Hand protection : Wear protective gloves that protect against thermal urns when handling hot material.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Not typically required. In cases where exposures exceed occupational control limits, a NIOSH approved respirator is recommended.

Other information : Do not eat, drink or smoke during use. Wash hands and other exposed areas after use.

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#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Physical state	: Mineral-binder mix
Appearance	: Viscous liquid mixed with coarse and fine aggregate
Color	: Black
Odor	: Little to none
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 199 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: 0.905
Relative vapor density at 20 °C	: > 1
Solubility	: Insoluble in water
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

##### 9.2. Other information

No additional information available

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

Stable

##### 10.2. Chemical stability

Not established.

##### 10.3. Possibility of hazardous reactions

Auto ignition of the binder residue left on porous materials such as rags, paper or clothing

##### 10.4. Conditions to avoid

Keep away from heat, sparks and flame

##### 10.5. Incompatible materials

Not relevant

##### 10.6. Hazardous decomposition products

Not relevant

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Likely routes of exposure	: Skin and eye contact
Acute toxicity	: Not classified

HydroPatch® GP-1/GP-60	
LD50 oral rat	>mg/kg

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<b>Asphalt (8052-42-4)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>Quartz (14808-60-7)</b>	
LD50 oral rat	500 mg/kg
ATE US (oral)	500.000 mg/kg body weight

<b>Carbon Black (1333-86-4)</b>	
LD50 oral rat	>10000 mg/kg

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : May cause cancer.

<b>Asphalt (8052-42-4)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	5 - Twelfth Report - Items under consideration
In OSHA Hazard Communication Carcinogen list	Yes

<b>Quartz (14808-60-7)</b>	
IARC group	1 – Carcinogenic to humans
National Toxicology Program (NTP) Status	2 – Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list	Yes

<b>Carbon Black (1333-86-4)</b>	
IARC group	2B – Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Potential Adverse human health effects and symptoms : Vapors and gases from heated asphalt may contain hydrogen sulfide and may cause eye, skin, and respiratory tract irritation, headache, and nausea. Ingestion or contact of hot material may cause burns on eyes, skin, or gastrointestinal system. Asphalt may cause skin irritation with reddening, itching, burning, and/or swelling and may cause allergic skin reaction in some individuals.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

<b>HydroPatch® High Performance Asphalt Cold Patch</b>	
Persistence and degradability	Not established.
<b>Asphalt (8052-42-4)</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>Asphalt (8052-42-4)</b>	
BCF fish 1	(no bioaccumulation expected)
Log Pow	> 6

### 12.4. Mobility in soil

No additional information available

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**12.5. Other adverse effects**

Other information : Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**Waste disposal recommendations : Dispose in a safe manner in accordance with local, state, and federal regulations.  
Ecology - waste materials : Avoid release to the environment.**SECTION 14: Transport information****Department of Transportation (DOT)**In accordance with DOT  
No additional information available**SECTION 15: Regulatory information****15.1. US Federal regulations****HydroPatch High Performance Asphalt Cold Patch**

SARA Section 311/312 Hazard Classes : Delayed (chronic) health hazard

**Asphalt (8052-42-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Quartz (14808-60-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Titanium dioxide (13463-67-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2. International regulations****CANADA****Asphalt (8052-42-4)**

Listed on the Canadian DSL (Domestic Substances List)

**Quartz (14808-60-7)**

Listed on the Canadian DSL (Domestic Substances List)

**Carbon Black (1333-86-4)**

Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations****Asphalt (8052-42-4)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Quartz (14808-60-7)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Carbon Black (1333-86-4)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**National regulations****Asphalt (8052-42-4)**Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

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#### Carbon Black (1333-86-4)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

#### Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)  
Listed on the AICS (Australian Inventory of chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZLoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed as carcinogen on NTP (National Toxicology Program)  
Listed on the Canadian IDL (Ingredient Disclosure List)

#### 15.3. US State regulations

##### California - Proposition 65

**⚠ WARNING:** This product contains chemicals known to the State of California to cause cancer.

#### SECTION 16: Other information

Other information : Date of Print: 07/01/2018

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 1A	Carcinogenicity Category 1A
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*