



# Asphalt Repair Products

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**SAFETY DATA SHEET**  
(Complies with OSHA 29 CFR 1910.1200)

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## SECTION I: PRODUCT IDENTIFICATION

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QPR  
One Securities Centre  
3490 Piedmont Road, Suite 1300  
Atlanta, GA 30305

Emergency Telephone Number  
(800) 282-5828  
Information Telephone Number  
(800) 388-4338

Revision: Jun-15

### Permanent Blacktop Repair

**Product Use:** Construction Material

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## SECTION II - HAZARD IDENTIFICATION

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### Classification of the substance or mixture

**Skin Irritation – Category 2**

**Eye Irritation – Category 2**

**Carcinogenicity – Category 2**

**Acute Toxicity – Oral – Category 4**

**Acute Toxicity – Inhalation – Category 4**

**Specific Target Organ Toxicity – Repeated Exposure – Category 2**

**Signal word** DANGER

### Hazard pictograms



**Hazard-determining components of labeling:** Asphalt

### Hazard Statements

Suspected of causing cancer through prolonged or repeated exposure.

Causes skin irritation.

Causes eye irritation.

Harmful if swallowed.



Harmful if inhaled.  
May cause respiratory irritation

Do not handle until all safety precautions have been read and understood.  
Wear impervious gloves, such as nitrile. Wear eye protection, and protective clothing.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.  
Use only in a well-ventilated area.  
Do not breathe fumes.

If swallowed: Rinse mouth. Do NOT induce vomiting.  
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 on skin (or hair): Remove immediately all contaminated clothing and wash before re-use. Rinse skin or hair with water.  
If significant skin irritation or rash occurs: get medical advice or attention.

**Immediately seek medical advice or attention if symptoms are significant or persist.**

Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/containers in accordance with all regulations.

### **2.3 Additional Information**

**2.3a HNOC – Hazards not otherwise classified:** Not applicable

**2.3b Unknown Acute Toxicity:** None

#### **2.3C WHMIS Classification**

Class D2B – Skin/Eye Irritant

Class D2A – Chronic Toxic Effects – Carcinogen

2.3d Label Elements According To WHMIS

#### **Hazard Symbols**



#### **Signal Word**

**DANGER!**



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**SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

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<b>Hazardous Components</b>	<b>CAS No.</b>	<b>% by Weight</b>
Asphalt Cement	8052-42-4	1-5
Diesel Fuel	68476-34-6	1-5
Sand, Silica, Quartz	14808-60-7	95-100

\*The concentrations ranges are provided due to batch-to-batch variability.

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**SECTION IV – FIRST AID MEASURES**

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**General information:**

Immediately remove any clothing soiled by the product. In case of unconsciousness place patient stably in side position for transportation. Never give anything by mouth to an unconscious person.

**After inhalation:** Vapor may cause nose, throat or lung irritation depending on the degree of exposure. Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention immediately.

**After skin contact:** Contact with hot product will cause severe thermal burns. Cool skin rapidly with cold water after contact. Do NOT ATTEMPT TO REMOVE PRODUCT. Seek medical attention immediately.

**After eye contact:** Cool with cold water and seek medical attention immediately.

**After ingestion:** Immediately call a doctor. Do NOT induce vomiting unless advised to by medical professionals. Drink copious amounts of water and provide fresh air.

**Acute/Delayed Symptoms:** None known

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**SECTION V - FIRE FIGHTING MEASURES**

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**Suitable extinguishing agents:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special hazards arising from the substance or mixture:** No further relevant information available.

**Protective equipment:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Flammability of the Product:** HMIS Rating - 1

**Flash Points:** Cleveland Open Cup (ASTM D92) >300°F (>149°C)

**Products of Combustion:** Carbon monoxide, carbon dioxide and potentially hydrogen sulfide gas.

**Fire Hazards in Presence of Various Substances:** Non-flammable.

**Explosion Hazards in Presence of Various Substances:** Non-explosive in presence of shocks

**Special Remarks on Fire Hazards:** Black, dense, hazy smoke forms during burning. Keep sparks away from concentrated fumes.



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## SECTION VI – ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:** Wear protective equipment (See section 8). Keep unprotected persons away and remove or secure all ignition sources.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

Allow material to cool to a solid form, cover with earth to reduce adhesiveness, place in appropriate containers for transport. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

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**Handling**

**Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace. Wear appropriate PPE (See section 8).

**Information about protection against explosions and fires:** No special measures required.

**Storage**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

**Specific end use(s):** No further relevant information available

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## SECTION VIII – EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

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**Components with limit values that require monitoring at the workplace:**

List	Component	CAS No.	Type	Value
ACGIH	Asphalt	8052-42-4	TWA	0.5 mg/m <sup>3</sup>
ACGIH	Silica Sand, crystalline	14808-60-7	TWA	0.025 mg/m <sup>3</sup> (resp)

**Additional information:** The lists that were valid during the creation were used as basis.

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. DO NOT use gasoline, kerosene, solvents or harsh abrasive skin cleaners to clean skin. Avoid contact with the eyes and skin. Use a full-body heat resistant or internally cooled suit when work conditions dictate.



### Personal Protective Equipment

#### Protection of hands:

Wear leather or heat-resistant gloves of adequate length if handling heated material. With product at ambient temperatures, use chemical resistant gloves such as heavy nitrile.

#### Eye protection:

Use a full-face shield and chemical safety goggles. With product at ambient temperatures, safety glasses equipped with side shields are recommended.

#### Respiratory protection:

Contaminant air concentrations determine the level of respiratory protection required. Use only NIOSH-approved respiratory equipment within the limits of the protection factors for that equipment. Use supplied air respirators when H<sub>2</sub>S concentrations are expected to exceed applicable workplace exposure levels. Do not use air purifying respiratory equipment when considering elevated H<sub>2</sub>S concentrations. Respiratory equipment must be selected on the basis of the maximum expected air concentration.

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## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

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### General Information

<b>Appearance</b>	Form: Solid at 25°C / Liquid above 135°C Color: Black Odor: Asphaltic
<b>Boiling point/Boiling range:</b>	NA
<b>Flash point:</b>	>300°F (>149°C)
<b>Auto igniting:</b>	NA
<b>Relative Density at 25°C (77°F)</b>	1.0 - 1.3
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Insoluble
<b>VOC content:</b>	0 g/L VOC

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## SECTION X – STABILITY AND REACTIVITY

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**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products:** When heated, may liberate hydrogen sulfide. Combustion may produce various oxides of carbon (CO, CO<sub>2</sub>...)

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## SECTION XI – TOXICOLOGICAL INFORMATION

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**Inhalation:** No significant adverse health effects are expected to occur upon short-term exposure to this product at ambient temperatures. Asphalt fumes have been associated with irritation of eyes nose and throat. Also, lower respiratory effects have been reported. Hydrogen sulfide (H<sub>2</sub>S) can evolve when this product is stored or handled at elevated temperatures. H<sub>2</sub>S can cause respiratory irritation and hypoxia. At low concentrations, H<sub>2</sub>S has an odor of rotten eggs. At higher concentrations, H<sub>2</sub>S odor is not apparent. DO NOT use odor as an indicator of exposure to H<sub>2</sub>S. Inhalation of high concentrations of H<sub>2</sub>S may be fatal.

**Skin irritation:** Heated asphalt can cause burns to the skin. May cause skin irritation with redness, an itching or burning feeling, and swelling of the skin. Exposure to sunlight and to asphalt vapors may amplify tendency for sunburns.

**Eye irritation:** Heated asphalt can cause burns to the eyes. Mists, vapors or fumes from this material can cause eye irritation with tearing, redness, or a stinging or burning feeling.

**Ingestion:** Contact with heated asphalt may cause burns. If asphalt at ambient temperatures is swallowed, no significant adverse health effects are anticipated. If swallowed in large quantities, asphalt can obstruct the intestine.

**Further information:** Heated asphalt could release hydrogen sulfide gas. Toxic amounts H<sub>2</sub>S could accumulate inside vessels containing heated asphalt.

<b>Component</b>	<b>CAS No.</b>	
Asphalt	8052-42-4	Acute oral toxicity: LD50 rat Dose: 5,001 mg/kg Acute dermal toxicity: LD50 rat Dose: 2,001 mg/kg

<b>Component</b>	
<b>NTP</b>	This product, Asphalt (CAS-No.: 8052-42-4), may contain trace amounts of benzene a chemical known to cause cancer.
<b>IARC</b>	Asphalt (Bitumen) (CAS-No.: 8052-42-4) Group 2B possibly carcinogenic to humans
<b>OSHA</b>	This product, Asphalt (CAS-No.: 8052-42-4), may contain trace amounts of benzene a chemical known to cause cancer.

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**SECTION XII – ECOLOGICAL INFORMATION**

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**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential:** No further relevant information available.

**Additional ecological information:**

**General notes:**



Analysis for ecological effects has not been conducted on this product. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Spills into waterways may be harmful to organisms and bottom feeders.

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### SECTION XIII – DISPOSAL CONSIDERATIONS

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#### Waste treatment methods

##### Recommendation:

Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations (see 40CFR 260 through 40 CFR 271).

##### Uncleaned packaging

**Recommendation:** Disposal must be made in accordance with local, state and federal regulations.

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### SECTION XIV – TRANSPORT INFORMATION

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#### CFR

Proper shipping name: Elevated temperature liquid, n.o.s. (Asphalt)  
UN-No. : 3257  
Class: 9  
Packing group: III  
Hazard inducer: (Asphalt)

#### TDG

Proper shipping name: Elevated temperature liquid, n.o.s. (Asphalt)  
UN-No. : 3257  
Class: 9  
Packing group: III  
Hazard inducer: (Asphalt)

#### IMDG-Code

UN-No. : 3257  
Description of the goods: Elevated temperature liquid, n.o.s.  
(Asphalt)  
Class: 9  
Packaging group: III  
IMDG-Labels: 9  
EmS Number: F-A S-P  
Marine pollutant: No

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### SECTION XV – OTHER REGULATORY INFORMATION

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#### UNITED STATES (FEDERAL AND STATE)

**TSCA Status:** Appears on the EPA TSCA inventory

**SARA 302/311/312/313 Components:** Acute Health Hazard: Asphalt (CAS No. 8052-42-4)



### **California Prop. 65 Components**

This product contains chemicals known to State of California to cause cancer and birth defects or other reproductive harm.

### **CANADA**

#### **DSL Status**

All components of this product are on the Canadian DSL list.

**WHMIS Classification:** Not regulated by the Controlled Products Regulations (CPR) or Health Canada's Workplace Hazardous Material Information (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

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## **SECTION XVI – OTHER INFORMATION**

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### **Abbreviations and acronyms:**

**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

**CAS:** Chemical Abstract Service

**RID:** Règlement international concern ant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**ICAO:** International Civil Aviation Organization

**ACGIH:** American Conference of Governmental Industrial Hygienists

**NFPA:** National Fire Protection Association (USA)

**HMIS:** Hazardous Materials Identification System (USA)

**VOC:** Volatile Organic Compounds (USA, EU)

**CERCLA:** Comprehensive Environmental Response, Compensation and Liability Act

**CFR:** Code of Federal Regulations

**CPR:** Controlled Products Regulations (Canada)

**DOT:** Department of Transportation

**IARC:** International Agency for Research

**NIOSH:** National Institute for Occupational Safety and Health

**NTP:** National Toxicity Program

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible Exposure Limit

**RCRA:** Resource Conservation and Recovery Act

**SARA:** Superfund Amendments and Reauthorization Act

**TLV:** Threshold Limit Value

**TWA:** Time-weighted Average

**WHMIS:** Workplace Hazardous Material Information System





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**NOTE:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. End of SDS.