

## Safety Data Sheets According to WHS Regulations

Revision: 01/10/2021

**Product Name: Asphalt in a Bag/ Bucket Permanent Cold Patch**

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### Identification

**Product Name: ASPHALT IN A BAG PERMANENT COLD PATCH**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Asphalt cold mix

**Details of Manufacturer or Importer:**

Road Solutions Australia Pty Ltd

8 Agars Street

Paddington QLD 4064

**Phone Number:** 07 3061 6662

**Emergency telephone number:** National Poison Information Centre: 13 11 26

### Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Carcinogenicity 1A H350 May cause cancer.

STOT RE 2            H373 May cause damage to organs through prolonged or repeated exposure.

**Signal Word** Danger

**Hazard Statements**

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

P201            Obtain special instructions before use.

P202            Do not handle until all safety precautions have been read and understood.

P260            Do not breathe dust/fume/gas/mist/vapours/spray.

P280            Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314            Get medical advice/attention if you feel unwell.

P405            Store locked up.



P501            Dispose of contents/container in accordance with local/regional/national regulations.

### Composition and Information on Ingredients

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

8052-42-4	Asphalt	 Carcinogenicity 2, H351	3 - 6%
14808-60-7	Quartz (SiO <sub>2</sub> )	 Carcinogenicity 1A, H350; STOT RE 1, H372	0.1 - 1.5%
13463-67-7	Titanium oxide (TiO <sub>2</sub> )		<0.13%

**Additional information:** This product also contains <2% proprietary additives, CAS Nos. not supplied.



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### First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

In case of contact with hot product, rinse the effected area with cold water and cover with clean cotton gauze. Do not attempt to remove material from skin.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: Vapours released from hot product may cause respiratory irritation, headache and nausea. Skin Contact: May cause skin irritation, redness and swelling and may cause allergic skin reactions in some people. Contact with hot product may cause burns.

Eye Contact: May cause eye irritation. Contact with hot product may cause burns. Ingestion: Ingestion may cause gastrointestinal irritation or burns.

### Fire Fighting Measures

**Suitable Extinguishing Media:**

Water fog, foam, dry powder, sand or carbon dioxide. Do not use full water jet.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, hydrogen sulphide and other toxic vapours.

Product is not flammable, but may burn if heated.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.



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### Handling and Storage

#### Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

#### Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from extreme temperatures and direct sunlight. Protect from freezing. Keep away from strong oxidising agents, strong acids and strong bases.

### Exposure Controls and Personal Protection

#### Exposure Standards:

##### 8052-42-4 Asphalt

WES	TWA: 5 mg/m <sup>3</sup> fumes
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##### 14808-60-7 Quartz (SiO<sub>2</sub>)

WES	TWA: 0.1 mg/m <sup>3</sup> respirable dust
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##### 13463-67-7 Titanium oxide (TiO<sub>2</sub>)

WES	TWA: 10 mg/m <sup>3</sup>
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**Engineering Controls:** Ensure adequate ventilation of the working area.

#### Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

When handling hot product wear leather/pigskin, aramid blend, terrycord or cotton blend gloves to protect against thermal burns. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

#### Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.



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### Physical and Chemical Properties

**Appearance:**

**Form:** Viscous liquid mixed with coarse and fine aggregate.  
**Colour:** Black  
**Odour:** Asphalt odour

**Odour Threshold:** Not determined. **pH-Value:**  
Not determined.

**Melting point/freezing point:** Undetermined.  
**Initial Boiling Point/Boiling Range:** 482 °C  
**Flash Point:** >204 °C

**(Flammability:** Product is not flammable.  
**Auto-ignition Temperature:** Not applicable  
**Decomposition Temperature:** No information available  
**Explosion Limits:**  
**Lower:** No information available  
**Upper:** No information available  
**Vapour Pressure:** No information available  
**Relative Density:** 1.041  
**Vapour Density at 20 °C:** >1  
**Evaporation Rate:** No information available  
**Solubility in Water:** Insoluble  
**Partition Coefficient (n-octanol/water):** No information available  
**Viscosity:** No information available

### Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Extreme temperatures and direct sunlight.

**Incompatible Materials:** Strong oxidising agents, strong acids and strong bases.

**Hazardous Decomposition Products:** Oxides of carbon, hydrogen sulphide and other toxic vapours.

### Toxicological Information

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:**

**8052-42-4 Asphalt**

Oral	LD <sub>50</sub>	>5000 mg/kg (rat)
Dermal	LD <sub>50</sub>	>2000 mg/kg (rabbit)

**14808-60-7 Quartz (SiO<sub>2</sub>)**

Oral	LD <sub>50</sub>	500 mg/kg (rat)
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**13463-67-7 Titanium oxide (TiO<sub>2</sub>)**

Oral	LD <sub>50</sub>	>10000 mg/kg (rat)
Dermal	LD <sub>50</sub>	>10000 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /4 h	>6.82 mg/l (rat)



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### Acute Health Effects

**Inhalation:** Vapours released from hot product may cause respiratory irritation, headache and nausea.

### Skin:

May cause skin irritation, redness and swelling and may cause allergic skin reactions in some people. Contact with hot product may cause burns.

**Eye:** May cause eye irritation. Contact with hot product may cause burns. **Ingestion:** Ingestion may cause gastrointestinal irritation or burns.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

### Carcinogenicity:

May cause cancer.

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

Bitumens, occupational exposure to straight-run bitumens and their emissions during road paving and titanium dioxide are classified by IARC as Group 2B - Possibly carcinogenic to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met. **Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

**Additional toxicological information:** No information available

## Ecological Information

**Ecotoxicity:** Avoid release into the environment.

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

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

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

**Mobility in Soil:** No further relevant information available.

**Other adverse effects:** No further relevant information available.

## Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.



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### Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

### Transport Information

**UN Number** Not regulated  
**Proper Shipping Name** Not regulated  
**Dangerous Goods Class** Not regulated  
**Packing Group:** Not regulated

### Regulatory Information

#### Australian Inventory of Chemical Substances:

8052-42-4	Asphalt
14808-60-7	Quartz (SiO <sub>2</sub> )
13463-67-7	Titanium oxide (TiO <sub>2</sub> )

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:** Not Scheduled.

### Other Information

**Date of Preparation or Last Revision:** 27/05/2021

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

#### Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC<sub>50</sub>: Lethal concentration, 50 percent  
LD<sub>50</sub>: Lethal dose, 50 percent  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)  
Carcinogenicity 1A: Carcinogenicity – Category 1A  
Carcinogenicity 1A: Carcinogenicity – Category 1A  
Carcinogenicity 2: Carcinogenicity – Category 2  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

#### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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