

9 C.B. Fisher Drive  
CAVAN S.A. 5094

**Telephone:** (08) 8359 7777

**Facsimile:** (08) 8359 4011

**Email:** info@instantbitumen.com.au

**Web Site:** http://www.instantbitumen.com.au

## SAFETY DATA SHEET

### 1. Identification

**Product Name:** Cold Mix Asphalt

**Recommended uses:** Asphalt Pavement Repairs (e.g. roads, footpaths, parking lots)

**Company Name:** INSTANT BITUMEN (ACN 088 428 979)

**Address:** 9 CB FISHER DRIVE, CAVAN SA 5094 AUSTRALIA

**Telephone:** (08) 8359 7777

### 2. Hazard Identification

Not classified as hazardous according to Safe Work Australia criteria.

### 3. Composition / Information on Ingredients

Ingredient	Cas Number	Content
Mineral Aggregate		➤ 90%
Bitumen	8052-42-4	➤ < 5%
Cold Mix additives		➤ < 5%

### 4. First Aid Measures

**Eye contact:** If contact with material occurs, flush gently with cold running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Adhered material should only be removed under medical direction. Seek immediate medical advice.

**Inhalation:** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing. If symptoms develop and/or persist seek medical attention.

**Ingestion:** Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention. Ingestion is considered unlikely due to product form.

**6 Skin:** If contact with hot material occurs, drench the area immediately with cold water, do not attempt to remove material adhered to the skin. Seek medical attention. Refer to the Australian Asphalt Pavement Association (AAPA) bitumen burns card for further information.

**First aid facilities:** Eye wash facilities and safety shower are recommended.

**Other information:** For advice in and emergency, contact a Poison Information Centre or a doctor at once (131 126).

## **5. Firefighting Measures**

**Suitable extinguishing media:** In case of fire, use carbon dioxide, dry chemical, foam, water spray or water fog. Do not use water jets.

**Hazards from combustion products:** Under fire conditions this product may emit toxic and/or irritating gases (carbon, sulphur, nitrogen oxides, hydrogen sulphide, hydrocarbons).

**Advice for firefighters:** Evacuate the area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including self-contained breathing apparatus (SCBA) when combating fire. Use water fog to cool intact containers and nearby storage areas. Do not allow run-off from firefighting to enter drains and water courses.

## **6. Accidental Release Measures**

**Emergency procedure:** Wear appropriate personal protective equipment (PPE) as detailed in section 8 of SDS. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible, contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for disposal. If contamination of sewers or waterways has occurred, contact the local emergency services.

## **7. Handling and Storage**

**Precautions for safe handling:** Before use carefully read the product label. Use of safe work practices are recommended to avoid skin and eye contact. Avoid inhalation of vapours and mists. Only use in a well ventilated area. Maintain high standards of personal hygiene by washing hands before eating, drinking, smoking or using the toilet.

**Conditions for safe storage, including any incompatibilities:**

Store in well ventilated area away from ignition sources, oxidising agents and foodstuffs. Keep containers sealed and protect from damage when not in use. Take precautions against static electricity discharges.

## **8. Exposure Controls and Personal Protection**

**Exposure standard:** Safe Work Australia has no exposure standards for hot mix asphalt. Some ingredients found in hot mix asphalt do have an exposure value. Bitumen fumes have an average

airborne concentration of particular substances when calculated over a normal eight hour day for a five day week. Bitumen = TWA: 5 mg/m<sup>3</sup> (Time Weight Average).

**Biological limit:** No biological limit values allocated to this product.

**Engineering controls:** Provide sufficient ventilation, avoid working upwind where possible. Where vapours or fumes are generated use a flameproof exhaust ventilation system.

**Hygiene:** Clean water should always be readily available for skin and (emergency) eye washing. Periodically wash areas contacted by asphalt with a pH neutral soap and clean, uncontaminated water. Remove protective equipment and dusty clothing before entering eating areas.

**PPE:**

**Eye / Face protection.** Safety glasses with side shields, chemical goggles or full face visor and a heat resistant neck flap. All eye and face protection should conform to AS/NZS 1337.

**Hand protection.** Wear chemical resistant gloves or heat resistant and impervious gauntlets depending on the circumstances. All hand protection should conform to AS/NZS 2161.1.

**Body protection.** Thermal resistant clothing. Respiratory protection. When at risk of inhalation an approved respirator with replaceable organic vapour filter should be used. All respirators should conform to AS/NZS 1715/1716

## 9. Physical and Chemical Properties

<u>Properties</u>	<u>Description</u>	<u>Properties</u>	<u>Description</u>
Physical State	Semi solid mixture with aggregate at ambient temperature	Partition coefficient: n-octanol/ water	Not available
Colour	Black	Vapour pressure	Not available
Odour	Oily	Vapour density	Not available
pH	Not available	Relative density	Not available
Boiling point	Not available	Solubility in water	Insoluble
Flash point	➤ 93°C	Austo-ignition temperature	Not available
Melting point	Not available	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability	Not available	Flammable limits upper	Not available
Odour threshold	Not available	Flammable limits lower	Not available

## 10. Stability and Reactivity

**Reactivity:** Not reactive under normal conditions of storage and use.

**Chemical stability:** This product is stable under normal conditions.

**Possibility of hazardous reaction:** Under normal conditions of storage and use, reactions will not occur.



**Conditions to avoid:** Heat sources, open flames and ignition sources.

**Incompatible materials:** Incompatible or reactive with strong oxidizing agents.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce carbon monoxide and carbon dioxide.

#### **11. Toxicological Information**

**Acute toxicity:** No toxicity data available for this product.

**Irritation / Corrosion:** Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Respiratory: May cause respiratory tract irritation.

Ingestion: May cause gastric tract irritation.

Sensitisation: Not expected to be a respiratory or skin sensitiser.

Mutagenicity: Not considered a mutagenic hazard.

Carcinogenicity: Not considered to be carcinogenic, however bitumen is a group 2B: possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).

Reproductive toxicity: Not considered to be toxic to reproduction.

STOT-single exposure: Not classified as causing organ damage.

STOT-repeated exposure: Not classified as causing organ damage.

Aspiration: Not expected to present an aspiration hazard.

#### **12. Ecological Information**

**Persistence and degradability:** No data available.

**Bioaccumulation potential:** No data available.

**Mobility in soil:** No data available.

**Ecotoxicity:** No ecological data available.

**Other adverse effects:** Avoid contamination of waterways, drains and sewers.

#### **13. Disposal Considerations**

**Waste methods:** Salvage spilled asphalt where possible. Uncontaminated asphalt may be reused. Dispose of waste materials in accordance with local, state and federal laws and regulations.

#### **14. Transport Information**

**Road and Rail Transport (ADG Code):** Not classified as dangerous goods.

**Marine transport (IMO/IMDG):** Not classified as dangerous goods.

**Air Transport (ICAO/IATA):** Not classified as dangerous goods.

**UN Number:** None allocated.

**UN Proper Shipping Name:** None allocated.

**Transport Hazard:** None allocated.

**IMDG Marine Pollutant:** None allocated.

#### **15. Regulation Information**

Not classified as hazardous material according to the Global Harmonised Systems of Classification and labelling of Chemicals (GHS)

#### **16. Other Information Approval or Revision History:**

SDS Created November 2021