



## MATERIAL SAFETY DATA SHEET

### Ready-to-Use Cold Asphalt

#### 1. Identification

**Product name:** Ready-to-Use Cold Asphalt

**Other names:** Cold Mix Asphalt / Cold Patch Asphalt

**Recommended use:** Repairing potholes, cracks, and damaged asphalt pavement.

#### 2. Hazard Identification

**Signal word, pictograms, and hazard statements:**

Potential hazards requiring assessment include skin and eye irritation, exposure to hydrocarbon vapours, and inhalation of dust generated during handling or mechanical disturbance. Some formulations may contain combustible solvents or aggregates containing crystalline silica.

Do not assign a hazard classification based solely on the product name.

#### 3. Composition / Information on Ingredients

Cold asphalt generally consists of mineral aggregate and a bituminous binder. Depending on the formulation, it may also contain water, petroleum solvents, polymers, or other additives.

Product composition: Blend of modified asphalts, additives, and specially graded aggregates.

Residual binder content: 4–6%, tested according to ASTM D2172.

Ingredient identities, CAS numbers, and individual concentrations: Not disclosed in the attachment. The residual binder content does not establish a complete ingredient breakdown.

#### 4. First-Aid Measures

**Inhalation:** Move the affected person to fresh air. Seek medical attention if symptoms persist or breathing is difficult.

**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Do not use petrol or solvents to clean skin. Seek medical advice if irritation persists.

**Eye contact:** Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. Seek medical attention if irritation persists.

**Ingestion:** Rinse mouth. Do not induce vomiting. Contact a poison centre or medical professional promptly. Never give anything by mouth to an unconscious person.

#### 5. Fire-Fighting Measures

**Suitable extinguishing media:** Foam, dry chemical, carbon dioxide, or water spray, as appropriate to the formulation and surrounding fire.

**Specific hazards:** Combustion may produce carbon monoxide, carbon dioxide, smoke, and irritating fumes. Solvent-containing formulations may release flammable vapours.

**Protective equipment:** Firefighters should wear self-contained breathing apparatus and suitable protective clothing.

#### 6. Accidental Release Measures

Avoid skin and eye contact. Provide ventilation and control ignition sources where combustible solvents are present.

Prevent material from entering drains, watercourses, or soil. Collect spilled material mechanically



into suitable labelled containers. Avoid generating dust. Handle contaminated cleanup materials in accordance with local disposal requirements.

## 7. Handling and Storage

**Handling:** Use with adequate ventilation. Avoid prolonged skin contact and inhalation of vapours or dust. Do not eat, drink, or smoke while handling. Wash hands after use. Do not heat unless expressly permitted by the manufacturer.

**Storage:** Keep in original, properly closed containers in a ventilated location. Protect from heat, ignition sources, and incompatible materials. Follow the manufacturer's temperature and shelf-life requirements.

## 8. Exposure Controls / Personal Protection

Manufacturer-specified protective equipment: Coveralls, gloves, safety shoes, and goggles.

Exposure limits, glove material, ventilation requirements, and respiratory protection: Not specified in the attachment; these require the manufacturer's SDS and assessment of the work conditions.

**Engineering controls:** Provide ventilation suitable for the actual vapour or dust exposure. Use dust controls where cutting, grinding, or other disturbance creates airborne dust.

**Personal protection:**

- **Hands:** Chemical-resistant gloves selected using the formulation and glove supplier's compatibility data.
- **Eyes:** Safety glasses with side shields; goggles where splash or dust exposure warrants them.
- **Body:** Suitable work clothing and protective footwear.
- **Respiratory protection:** Determine through an exposure assessment. Where required, select an approved respirator suitable for the identified contaminants and use it under an appropriate respiratory protection programme.

## 9. Physical and Chemical Properties

| Property            | Completed information                                                      |
|---------------------|----------------------------------------------------------------------------|
| Physical form       | Ready-to-use mixture of modified asphalt, additives, and graded aggregates |
| Colour              | Black                                                                      |
| Density at 25°C     | 2.1 ± 0.1 g/cm <sup>3</sup>                                                |
| Density test method | ASTM D7229                                                                 |

## 10. Stability and Reactivity

**Conditions to avoid:** Excessive heat and ignition sources where applicable.

**Hazardous decomposition products:** Thermal decomposition or combustion may release carbon oxides, smoke, and other harmful fumes.

## 11. Toxicological Information

**Possible exposure routes:** Skin contact, eye contact, inhalation, and accidental ingestion.

Product-specific assessment is required for acute toxicity, irritation, sensitisation, mutagenicity, carcinogenicity, reproductive toxicity, target-organ toxicity, and aspiration hazard.



Where aggregate contains crystalline silica, operations that generate respirable dust may present serious long-term inhalation hazards. Aspiration hazard and solvent-related effects depend on the actual binder formulation.

## 12. Ecological Information

Avoid release to the environment.

- Aquatic toxicity: Product-specific data not available in the supplied technical data sheet.
- Persistence and degradability: Product-specific data not available.
- Bioaccumulative potential: Product-specific data not available.
- Mobility in soil: Product-specific data not available.
- Other adverse effects: No information provided. This does not establish the absence of environmental hazards.

## 13. Disposal Considerations

Dispose of unused material, cleanup residues, and contaminated packaging through an authorised waste contractor in accordance with applicable local requirements. Do not discharge into drains, soil, or watercourses. Waste classification must be confirmed based on product composition and any contamination.

## 14. Transport Information

- UN number: Not established from the supplied technical data sheet.
- UN proper shipping name: Not established.
- Transport hazard class: Not established.
- Packing group: Not established.
- Environmental hazards for transport: Not established.
- Special precautions: Keep containers securely closed and secured against movement, damage, and spillage.

Obtain the manufacturer's transport classification before shipment. Do not state "not regulated" or "non-dangerous goods" without confirmation.