

➤ Material Safety Data Sheet: Hot Bituminous Material

1. APPLICATION

Hot bituminous road materials are designed for use in construction and repair of roads and other paved areas. Hot bituminous road materials should be used in accordance with the relevant National and/or European Standards and Codes of Practice.

2. COMPOSITION

Hot bituminous materials are mixtures of heated aggregates and bituminous binders. Hot bituminous material is a black granular material with a temperature up to 200°C and a density up to about 1.6.

3. HAZARD IDENTIFICATION

The main hazards presented by a hot bituminous road material are associated with the temperature of the mix and/or fumes from the hot binder. Hot bituminous materials may burn skin. Fumes from hot bituminous materials may be a risk to health with prolonged inhalation in confined spaces e.g. tunnels. Adequate ventilation must be provided in enclosed areas.

4. FIRST AID MEASURES

Eye Contact (Hot material): Immediately rinse under cold clean running water for at least TEN minutes and seek medical advice.

Skin Contact: Remove non-adhering hot mixture and apply cold water to the affected skin. Continue to immerse in cold water until thoroughly cold. No attempt should be made to remove adhering bitumen from the skin, unless under medical supervision. Bitumen will provide a sterile covering until healing occurs, and it will then detach itself after a few days. Medical assistance should be sought without delay.

Inhalation of Fumes: Remove person to fresh air and seek medical advice.

In all cases of doubt or where symptoms persist medical advice must be obtained.

5. FIRE FIGHTING MEASURES

Where kerosene is used as a cleaning agent take suitable precautions to prevent ignition. Smoking is prohibited.

6. ACCIDENTAL RELEASE MEASURES

Follow the relevant instructions in Clauses 7 and 8. Prevent entry into water courses, drains or other areas where it may cause ecological damage or where hardened materials may cause problems. Take up product using appropriate equipment.

7. HANDLING & STORAGE

- Follow the relevant instructions in Clauses 7 and 8. Prevent entry into water courses, drains or other areas where it may cause ecological damage or where hardened materials may cause problems. Take up product using appropriate equipment.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Wear suitable protective gloves, overalls and safety helmets in all situations.
- Wear suitable goggles to prevent eye contact from hot bituminous road materials or from flying particles when cutting hardened material.
- Wear suitable respiratory protection (such as dust masks) when cutting hardened material.
- Wear heat-resistant footwear and suitable gaiters to prevent entry of hot material inside the footwear.

➤ Get in Touch:

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9. PHYSICAL & CHEMICAL PROPERTIES

The binder may be modified and additives used. Polymers and SBS rubber may be used for this purpose. Where fluxing oils or kerosene is used to adjust binder viscosity and setting time take appropriate fire precautions to avoid ignition. Smoking is prohibited.

10. STABILITY & REACTIVITY

Water coming into contact with hot bituminous road materials may give rise to steam leading to a reduction of vision.

11. TOXICOLOGICAL INFORMATION

No risk on observance of safety instructions detailed in Clauses 6, 7 and 8.

12. ECOLOGICAL INFORMATION

Hardened bituminous road materials have no ecological effect.

13. DISPOSAL CONSIDERATIONS

Hardened bituminous road materials may be used for construction fill or placed in approved licensed landfill site.

14. TRANSPORT INFORMATION

No risk on observance of safety instructions at 6, 7 and 8 above. Do not keep other items such as gas bottles in contact with hot bituminous road materials.

15. REGULATORY INFORMATION

Not applicable.