



**1. APPLICATION**

Hot Bituminous Materials are designed for use in construction and repair of roads and other paved areas. Hot Bituminous materials should be used in accordance with the relevant National & European Union Codes of Practice

**2. HAZARD IDENTIFICATION**

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

**3. COMPOSITION**

Hot Bituminous Materials are mixtures of heated aggregates and bituminous binders. Hot Bituminous Material is a black granular material with a temperature of 200 degs. C and a density of about 1.6.

**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 assistance.

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**

- Avoid contact with eyes and skin.
- Always follow safe lifting and manual handling procedures.
- The preferred method of handling is by mechanical means.
- Some varieties of hot bituminous materials are supplied as deferred set mixes having extended working lives during which the precautions given should be continued.
- Where storage of material is necessary in public areas or areas accessed by the public, adequate notices, signs and markings should be used.
- Once material has cooled and hardened, it presents no particular hazard.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- Wear suitable protective gloves, overalls and safety helmets in all situations.



**Get in Touch**

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- Wear suitable goggles to prevent eye contact from flying particles when crushing, drilling, cutting or breaking hardened material.
- Wear suitable respiratory protection (such as dust masks) when crushing, drilling, cutting or breaking hardened material.
- Wear heat resistant footwear with protective toes-caps to prevent entry of hot material inside the footwear.

**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 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 materials have no ecological effect.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

Not Applicable