



Material Safety Data Sheet (MSDS)

Oxidized Bitumen 75/25

Section 1: Product Identification

Product Name: Oxidized Bitumen 75/25

Other Names: Blown Bitumen 75/25, Oxidized Asphalt 75/25, Air-Blown Bitumen 75/25

Recommended Use: Roofing, waterproofing, pipe coating, joint sealing, insulation, adhesives, industrial mastics, and construction applications.

Section 2: Hazard Identification

GHS Classification

- Not classified as hazardous in solid form.
- Heated material may cause severe thermal burns.
- Fumes generated during heating may irritate the respiratory system.

Signal Word

Warning

Hazard Statements

- Hot product causes severe skin burns.
- Heated vapors may irritate eyes and respiratory tract.
- Prolonged exposure to fumes may cause headaches or dizziness.

Precautionary Statements

- Avoid breathing fumes generated during heating.
- Wear suitable heat-resistant protective equipment.
- Keep away from ignition sources during heating operations.
- Use only in well-ventilated areas.

Section 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
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Oxidized Bitumen	64742-93-4	99–100%
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Contains no hazardous additives under normal conditions.

Section 4: First Aid Measures

Eye Contact

Immediately flush with clean water for at least 15 minutes. If hot material contacts the eye, seek immediate medical attention.

Skin Contact

For hot material, cool immediately with cold water. Do not attempt to remove solidified bitumen from the skin. Obtain medical attention.

Inhalation

Move the affected person to fresh air. If breathing becomes difficult, seek medical assistance.

Ingestion

Do not induce vomiting. Rinse mouth and seek medical attention if necessary.



Section 5: Fire Fighting Measures

Suitable Extinguishing Media

- Dry chemical powder
- Carbon dioxide (CO₂)
- Foam
- Dry sand

Unsuitable Extinguishing Media

- Direct water jet

Hazardous Combustion Products

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)
- Sulfur oxides
- Smoke

Protective Equipment

Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- Allow hot material to cool before collection.
- Prevent product from entering drains or waterways.
- Collect cooled material mechanically.
- Dispose according to local regulations.

Section 7: Handling and Storage

Handling

- Heat gradually to the recommended application temperature.
- Avoid overheating.
- Prevent contact with hot material.
- Ensure adequate ventilation.

Storage

- Store in a cool, dry, covered location.
- Keep containers tightly closed.
- Protect from moisture and direct sunlight.
- Avoid strong oxidizing agents.

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation when heating.

Personal Protective Equipment

Eye Protection

- Safety goggles or face shield

Hand Protection

- Heat-resistant gloves

Body Protection



- Long-sleeved protective clothing
- Safety shoes

Respiratory Protection

- Respirator when ventilation is insufficient.

Section 9: Physical and Chemical Properties

Property	Value
Appearance	Black solid
Odor	Slight petroleum odor
Softening Point	Approximately 75°C
Penetration (25°C)	Approximately 25 dmm
Flash Point	>250°C
Density (25°C)	Approximately 1.02–1.06 g/cm ³
Water Solubility	Insoluble
Auto-Ignition Temperature	>300°C

Section 10: Stability and Reactivity**Stability**

Stable under normal storage conditions.

Conditions to Avoid

- Excessive heating
- Open flames
- Strong oxidizing agents

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Sulfur oxides
- Hydrocarbon fumes

Section 11: Toxicological Information**Likely Routes of Exposure**

- Skin contact
- Eye contact
- Inhalation of heated fumes

Acute Effects

- Thermal burns from molten material
- Eye irritation
- Respiratory irritation

Chronic Effects

Repeated exposure to heated fumes may cause respiratory discomfort.

Carcinogenicity



Not classified as carcinogenic in solid form. Minimize prolonged exposure to fumes generated during heating.

Section 12: Ecological Information

- Insoluble in water.
- Expected to have low mobility in soil.
- Avoid uncontrolled release into the environment.
- May be harmful to aquatic organisms if released in large quantities.

Section 13: Disposal Considerations

Dispose of waste material in accordance with local, national, and international regulations. Do not discharge into drains or watercourses.

Section 14: Transport Information

Item	Information
UN Number	Not regulated (solid product)
Proper Shipping Name	Oxidized Bitumen 75/25
Hazard Class	Not classified
Packing Group	Not applicable

Molten material transported at elevated temperatures may be subject to local transport regulations.

Section 15: Regulatory Information

This product should be handled according to applicable occupational health, safety, and environmental regulations.

Section 16: Other Information

This MSDS is intended to provide guidance for the safe handling, storage, transportation, and use of **Oxidized Bitumen 75/25**. The information is believed to be accurate but is provided without warranty. Users are responsible for ensuring compliance with all applicable regulations and safe operating practices.