

SAFETY DATA SHEET (SDS)

OXIDIZED BITUMEN 75/25

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1. IDENTIFICATION:

Product Name	Oxidized Bitumen, Grade 75/25
Related Names/ Synonyms	Oxidized Bitumen, Blown Bitumen, Blown Asphalt, Oxidized Asphalt, Air-Blown Bitumen
CAS number	64742-93-4
Main Use	Industrial and construction applications, including roofing, waterproofing, protective coatings, paints, pipe coatings, sealants, mastics, adhesives and insulation materials
Manufacturer	PETRO TAR CO. — Manufacturer and Exporter of Oxidized Bitumen, Iran
Emergency Contact	In an emergency, contact local emergency services, poison control, and the on-site safety unit

2. Hazard(s) Identification

At ambient temperature, oxidized bitumen is a stable solid with low hazard. At process temperature (heated/molten), the main hazard is thermal burns from direct contact with hot material. Inhaling fumes generated during heating can also irritate the eyes, skin, and respiratory tract.

- Primary hazard: thermal burns from contact with molten material.
- Secondary hazard: irritation of skin, eyes, and respiration from fumes of heated material.
- Combustible at high temperature; non-flammable at ambient temperature.

It is recommended to use suitable personal protective equipment when working with hot material and to avoid direct contact and prolonged inhalation of fumes.

3. General Composition

This product consists predominantly of oxidized petroleum bitumen produced by controlled air-blowing of



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selected bituminous feedstock. PETRO TAR CO. Oxidized Bitumen is manufactured as a high-purity product without the addition of Gilsonite.

4. First-Aid Measures

- Skin contact (cold material): wash with water and soap.
- Skin contact (hot material): cool immediately under running cold water for several minutes and seek medical attention; do not peel adhered material from the skin.
- Eye contact: flush immediately with plenty of water and seek medical attention.
- Inhalation: move the person to fresh air and seek medical attention if discomfort persists.
- Ingestion: do not induce vomiting and seek immediate medical attention.

5. Fire-Fighting Measures

Use dry chemical powder, suitable foam, or carbon dioxide to extinguish fires. Avoid direct, concentrated water spray on molten material, as it can cause splashing of hot material. Firefighters should use appropriate respiratory equipment and protective clothing.

6. Accidental Release Measures

In case of a spill, clear the area of unauthorized personnel and avoid direct contact with the material (especially in the hot state). Allow the material to cool and solidify, then collect it using mechanical tools and dispose of or recycle it according to local regulations. Prevent the material from entering water sources and soil.

7. Handling and Storage

- Store in a dry, cool, covered area with adequate ventilation.
- Keep away from heat sources, sparks, and open flames.
- Handling of hot material should only be performed by trained personnel with suitable protective equipment.
- **Standard packaging:** 25 kg carton boxes, 25 kg Kraft bags, or 25 kg meltable polyamide bags, depending on customer requirements.

8. Exposure Controls / Personal Protection

When working with hot material, the use of heat-resistant gloves and clothing, eye/face protection, and, where fumes are present, a suitable respiratory mask is recommended. Adequate ventilation should be provided at



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points where the material is heated.

9. Physical and Chemical Properties (General)

Physical State	Hard solid at ambient temperature; molten at high process temperature
Color and Appearance	Glossy black
Softening Point	Approximately 75°C
Penetration	Approximately 25 dmm @ 25°C
Solubility in Water	Insoluble
Flammability	Not readily flammable at ambient temperature; may burn when heated to elevated temperatures.

Exact values for each shipment are provided in the Certificate of Analysis (COA) for that production batch.

10. Stability and Reactivity

The material is stable under standard storage conditions. Excessive heating may cause thermal decomposition and release of fumes. Contact with strong oxidizing agents should be avoided.

11. Toxicological Information

No specific acute toxic effects are expected from normal handling of the solid product under recommended conditions. Contact with hot or molten material may cause severe thermal burns. Exposure to fumes generated during heating or processing may cause irritation of the eyes and respiratory tract. Prolonged or repeated exposure to fumes from heated material should be avoided and controlled through adequate ventilation and appropriate personal protective equipment

12. Ecological Information

The product is insoluble in water and has low mobility in its solid form. Direct or uncontrolled release to soil, surface water, drainage systems, or other environmental compartments should be avoided. In the event of an accidental release, appropriate measures should be taken to prevent the material from entering watercourses or sewage systems. Environmental impact may depend on the quantity released, site conditions, and local environmental regulations

13. Disposal Considerations



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Waste from this product should be recycled where possible; otherwise, it should be disposed of as industrial waste in accordance with local environmental regulations. Direct discharge into water bodies or sewage systems should be avoided.

14. Transport Information

When transported as a solid product at ambient temperature in suitable packaging, Oxidized Bitumen is generally not classified as dangerous goods under applicable transport regulations. Transport classification and requirements should be confirmed in accordance with the regulations applicable in the country of shipment, transit, and destination

15. Regulatory Information

This product should be handled, stored, transported, and used in accordance with applicable national and international regulations. Regulatory requirements may vary depending on the country, intended application, and conditions of use. The importer, distributor, and/or end user is responsible for ensuring compliance with all applicable local regulatory requirements

16. Other Information

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Prepared By	Quality Control— PETRO TAR CO.



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