



MATERIAL SAFETY DATA SHEET (SDS / MSDS)

Oxidized Bitumen 90/15

Also referenced as: Oxidised Bitumen 90/15 | Blown Bitumen 90/15 | Oxidized Asphalt 90/15

SECTION 1: Identification

Product Name	Oxidized Bitumen 90/15 (Blown Bitumen 90/15)
CAS Number	8052-42-4 (Asphalt / Bitumen)
Recommended Use	Waterproofing, roofing, pipe coating, industrial sealants — industrial use only
Manufacturer / Supplier	[Basekim]

SECTION 2: Hazard(s) Identification

In its solid, ambient-temperature form, bitumen is generally not classified as hazardous under GHS physical, health, or environmental hazard categories. [VERIFY CURRENT CLASSIFICATION WITH SUPPLIER'S OFFICIAL SDS AND APPLICABLE REGIONAL REGULATIONS.]

Key hazards to be aware of:

- Molten or heated product can cause severe thermal burns on skin contact.
- Heating the product above its softening point may release fumes that can irritate the eyes, skin, and respiratory tract.
- The International Agency for Research on Cancer (IARC) has classified occupational exposure to oxidized bitumens and their emissions during roofing as Group 2B (possibly carcinogenic to humans). This classification relates to occupational exposure during heated application, not to the packaged solid product under normal storage.

Label elements (pictograms, signal word, hazard/precautionary statements): [INSERT PER SUPPLIER'S CURRENT GHS CLASSIFICATION]

SECTION 3: Composition / Information on Ingredients

Substance	Oxidized bitumen (blown asphalt)
CAS Number	8052-42-4



SECTION 4: First-Aid Measures

Inhalation:

Move the affected person to fresh air. Seek medical attention if irritation, coughing, or breathing difficulty persists.

Skin contact (hot/molten product):

Do not attempt to peel solidified bitumen from the skin. Cool the affected area immediately with large amounts of cold water and seek emergency medical attention for burns.

Eye contact:

Flush eyes with clean water for several minutes. Seek medical attention if irritation persists.

Ingestion:

Unlikely under normal industrial use. If ingestion occurs, seek medical advice immediately; do not induce vomiting unless directed by a medical professional.

SECTION 5: Fire-Fighting Measures

- Suitable extinguishing media: dry chemical, foam, carbon dioxide, or water fog.
- Avoid a direct water jet on hot or burning bitumen; contact with water can cause frothing or splattering.
- Combustion may release smoke and fumes; use self-contained breathing apparatus in enclosed fire situations.

SECTION 6: Accidental Release Measures

- Keep unprotected personnel away from spills of hot or molten material.
- Allow spilled material to cool and solidify before mechanical removal where practical.
- Prevent runoff of molten product into drains or waterways.
- Dispose of collected material in accordance with local regulations (see Section 13).

SECTION 7: Handling and Storage

Handling:

Handle at controlled processing temperatures and avoid overheating. Provide adequate ventilation or fume extraction where the product is heated. Avoid skin and eye contact with molten material and use appropriate protective equipment.

Storage:



Store in a cool, dry, well-ventilated area away from direct sunlight, moisture, open flame, and strong oxidizing agents. Stack packaged product carefully to prevent deformation.

SECTION 8: Exposure Controls / Personal Protection

Occupational exposure limits: [INSERT CURRENT, REGION-SPECIFIC EXPOSURE LIMITS FOR ASPHALT/BITUMEN FUME — VERIFY WITH APPLICABLE OSHA, ACGIH, EU, OR LOCAL REGULATORY SOURCES.]

Engineering controls:

Use local exhaust ventilation or fume extraction when heating the product.

Personal protective equipment:

- Heat-resistant gloves
- Safety glasses or face shield
- Protective clothing resistant to hot bitumen splash
- Respiratory protection when fumes are present and ventilation is insufficient

SECTION 9: Physical and Chemical Properties

Appearance	Dark brown to black solid
Odor	Characteristic bituminous odor
Softening Point	Typically 85–95°C [SPECIFICATION VALUE]
Specific Gravity (25°C)	Typically 1.00–1.05
Flash Point (COC)	Typically $\geq 230^{\circ}\text{C}$
Solubility in Water	Insoluble
pH	Not applicable

These figures are typical reference values, not a guaranteed specification. Refer to the Technical Data Sheet and Certificate of Analysis for confirmed values.

SECTION 10: Stability and Reactivity

- Stable under normal storage and handling conditions.
- Avoid strong oxidizing agents, open flame, and prolonged exposure to excessive heat.
- Hazardous decomposition products may form if the product is heated to very high temperatures or burned.



SECTION 11: Toxicological Information

Under normal handling, the product presents limited acute toxicity. Prolonged or repeated exposure to fumes generated during heating has been associated with irritation of the respiratory tract, skin, and eyes in occupational settings. [INSERT PRODUCT-SPECIFIC TOXICOLOGICAL DATA IF AVAILABLE.] Refer to Section 2 regarding the IARC classification of occupational exposure during roofing applications. Consult a qualified toxicologist or EHS professional for a full risk assessment relevant to your operations.

SECTION 12: Ecological Information

The product is insoluble in water and is not expected to be readily biodegradable. Avoid release into soil, waterways, or drainage systems. [INSERT ECOTOXICOLOGICAL DATA IF AVAILABLE.]

SECTION 13: Disposal Considerations

Dispose of product, contaminated packaging, and spill residues in accordance with applicable local, regional, and national waste regulations. [INSERT REGIONAL WASTE CLASSIFICATION AND DISPOSAL GUIDANCE.]

SECTION 14: Transport Information

Solid bitumen at ambient temperature is generally not regulated as dangerous goods under most transport frameworks. [VERIFY UN NUMBER, PACKING GROUP, AND CLASSIFICATION WITH YOUR CARRIER AND APPLICABLE TRANSPORT REGULATIONS, PARTICULARLY FOR BULK OR MOLTEN SHIPMENT.]

SECTION 15: Regulatory Information

[INSERT APPLICABLE REGULATORY STATUS, E.G., REACH, TSCA, OR LOCAL CHEMICAL INVENTORY LISTINGS RELEVANT TO THE DESTINATION MARKET.]

SECTION 16: Other Information

Prepared By

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