



MSDS of Oxidized Bitumen 115/15

SECTION 1 – Identification

Product Name: Oxidized Bitumen 115/15

Synonyms: Blown Bitumen 115/15, Oxidized Asphalt 115/15, Hard Bitumen 115/15

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

SECTION 2 – Hazard Identification

GHS Classification

The product is not classified as hazardous in solid form.

Potential Hazards

- Hot molten material may cause severe thermal burns.
- Heating above recommended temperature may release irritating fumes.
- Prolonged inhalation of fumes may irritate the respiratory system.
- Contact with hot product may cause serious skin and eye burns.

SECTION 3 – Composition / Information on Ingredients

Component	CAS No.	Content
Oxidized Petroleum Bitumen	64742-93-4	>99%

No hazardous additives.

SECTION 4 – First Aid Measures

Eye Contact

Cold product:

- Flush with clean water.
- Seek medical attention if irritation persists.

Hot product:

- Cool immediately with cold running water.
- Do not remove adhered material.
- Obtain immediate medical treatment.

Skin Contact

Cold product:

- Wash with soap and water.

Hot product:

- Cool with water immediately.
- Do not peel hardened bitumen from skin.
- Seek medical attention.

Inhalation

- Move person to fresh air.
- If breathing becomes difficult, obtain medical assistance.

Ingestion



- Not expected during normal industrial use.
- Do not induce vomiting.
- Seek medical advice.

SECTION 5 – Fire Fighting Measures

Suitable Extinguishing Media

- Dry Chemical
- Foam
- Carbon Dioxide (CO₂)
- Sand

Unsuitable Media

- Direct water jet

Hazardous Combustion Products

- Carbon Monoxide (CO)
- Carbon Dioxide (CO₂)
- Sulfur Oxides
- Smoke

Firefighters should wear self-contained breathing apparatus (SCBA).

SECTION 6 – Accidental Release Measures

Solid Product

- Collect mechanically.

Molten Product

- Allow material to cool.
- Remove mechanically after solidification.

Prevent material from entering drains or waterways.

SECTION 7 – Handling and Storage

Handling

- Avoid overheating.
- Avoid breathing fumes.
- Wear suitable PPE.
- Keep away from ignition sources.

Storage

- Store in a dry, cool, well-ventilated place.
- Keep containers tightly closed.
- Protect from direct sunlight.

Recommended handling temperature:

160–200°C

SECTION 8 – Exposure Controls / Personal Protection

Engineering Controls

- Local exhaust ventilation
- Good workplace ventilation



Personal Protective Equipment

Eyes

- Safety goggles
- Face shield when handling molten product

Hands

- Heat-resistant gloves

Body

- Long sleeve protective clothing
- Safety shoes

Respiratory

- Normally not required.
- Use suitable respirator where ventilation is inadequate.

SECTION 9 – Physical and Chemical Properties

Property	Value
Appearance	Black Solid
Odor	Mild Petroleum
Softening Point	110–120°C
Penetration @25°C	10–20 dmm
Flash Point	>250°C
Density @25°C	1.01–1.06 g/cm ³
Solubility	Insoluble in Water
Auto-Ignition Temperature	>300°C

SECTION 10 – Stability and Reactivity

Stable under normal conditions.

Avoid:

- Excessive heat
- Strong oxidizing agents
- Open flames

Hazardous decomposition:

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

SECTION 11 – Toxicological Information

Low toxicity under normal use.

Possible effects:

- Skin irritation after prolonged contact
- Eye irritation
- Respiratory irritation from hot fumes



No known carcinogenic risk from solid product when handled properly.

SECTION 12 – Ecological Information

- Insoluble in water
- Not readily biodegradable
- Avoid release into the environment
- Expected to have low mobility after solidification

SECTION 13 – Disposal Considerations

Dispose of according to local regulations.

Recycle where facilities exist.

Do not dispose into drains or natural waterways.

SECTION 14 – Transport Information

Item	Information
UN Number	Not Regulated (Solid Product)
Proper Shipping Name	Oxidized Bitumen 115/15
Hazard Class	Not Classified
Packing Group	Not Applicable

Molten product transported at elevated temperature may be subject to local transport regulations.

SECTION 15 – Regulatory Information

Prepared in accordance with:

- GHS (Globally Harmonized System)
- OSHA Hazard Communication Standard
- REACH (EU) guidance
- ASTM specifications for Oxidized Bitumen

SECTION 16 – Other Information

This MSDS describes the safety requirements for handling, storage, transportation, and disposal of Oxidized Bitumen 115/15. The information is believed to be accurate but is provided without warranty. Users are responsible for complying with all applicable local regulations and safe industrial practices.