



MATERIAL SAFETY DATA SHEET (MSDS)

Oxidized Bitumen 115/25

1. Identification of Product and Supplier

Product Name: Oxidized Bitumen 115/25

Chemical Name: Oxidized Petroleum Bitumen

Product Type: Industrial Bituminous Material

Recommended Uses:

- Waterproofing applications
- Roofing materials
- Pipe coating
- Industrial sealing
- Construction applications

2. Hazard Identification

Classification

Oxidized Bitumen 115/25 is generally considered a low-hazard solid material under normal handling conditions.

However, heating may create:

- Hot material hazards
- Petroleum vapors
- Smoke and fumes

Main Hazards

- Hot molten bitumen may cause severe thermal burns.
- Vapors from heated material may irritate eyes and respiratory systems.
- Prolonged skin contact with heated product should be avoided.



3. Composition Information

Component	Approximate Content
Oxidized Petroleum Bitumen	100%
Additives	None or customer specified

4. First Aid Measures

Skin Contact

- Cool affected area with clean water.
- Do not attempt to remove solidified hot bitumen immediately.
- Seek medical attention for burns.

Eye Contact

- Rinse carefully with clean water.
- Obtain medical advice if irritation continues.

Inhalation

- Move person to fresh air.
- Seek medical attention if breathing discomfort occurs.

Ingestion

- Do not induce vomiting.
- Seek medical assistance if necessary.

5. Fire Fighting Measures

Suitable Extinguishing Media

Use:

- Dry chemical powder
- Foam
- Carbon dioxide



- Water spray

Avoid

Do not use high-pressure water jets directly on burning molten bitumen.

Fire Hazards

Heating may produce:

- Carbon dioxide
- Carbon monoxide
- Hydrocarbon vapors

Firefighters should use appropriate protective equipment.

6. Accidental Release Measures

Solid Product

- Collect mechanically.
- Store recovered material in suitable containers.
- Avoid contamination of waterways.

Molten Product

- Allow material to cool.
- Avoid direct contact.
- Use appropriate protective equipment.

7. Handling and Storage

Handling

- Use protective gloves when handling.
- Avoid contact with hot material.
- Ensure proper ventilation during heating.



Storage

- Store in dry indoor areas.
- Protect packaging from damage.
- Keep away from ignition sources.

8. Exposure Controls and Personal Protection

Recommended PPE

Hands

Use:

- Heat-resistant gloves
- Protective work gloves

Eyes

Use:

- Safety goggles
- Face protection during hot handling

Body

Wear:

- Protective clothing
- Safety footwear

Respiratory Protection

Provide ventilation when heating the product. Use suitable respiratory protection if fumes exceed workplace limits.

9. Physical and Chemical Properties

Property	Value
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Property	Value
Physical State	Solid
Color	Black
Odor	Petroleum odor
Softening Point	Approx. 115°C
Solubility	Insoluble in water
Density	Approx. 1.0–1.1 g/cm ³
Flash Point	Above 250°C

10. Stability and Reactivity

Stability

Stable under normal storage conditions.

Conditions to Avoid

Avoid:

- Excessive heating
- Open flames
- Strong oxidizing agents

Hazardous Decomposition Products

Thermal decomposition may generate:

- Carbon monoxide
- Carbon dioxide
- Hydrocarbon fumes

11. Toxicological Information

Under normal solid handling conditions, exposure risk is low.

Possible effects from heated material:

- Skin burns



- Eye irritation
- Respiratory irritation from fumes

Avoid unnecessary exposure to heated vapors.

12. Ecological Information

Oxidized Bitumen 115/25 is not readily soluble in water.

Avoid uncontrolled release into:

- Rivers
- Soil
- Drainage systems

Dispose of waste according to local environmental regulations.

13. Disposal Considerations

Dispose of unused material and packaging according to local regulations.

Recycling or controlled industrial reuse is recommended where possible.

14. Transportation Information

Transport Item	Information
Shipping Name	Oxidized Bitumen 115/25
Physical State	Solid
UN Number	Not classified as dangerous goods under normal transport conditions
Packaging	Bags, drums, jumbo bags
Transport Requirement	Protect from moisture and damage



15. Regulatory Information

Product handling should comply with:

- Local workplace safety regulations
- Industrial chemical handling requirements
- Environmental protection regulations

16. Additional Information

This TDS/MSDS document provides general technical and safety information for **Oxidized Bitumen 115/25**. Users should evaluate suitability for their specific application and follow appropriate industrial safety procedures.

Prepared For: Industrial and Commercial Use

Product: Oxidized Bitumen 115/25

Document Type: Technical Data Sheet & Material Safety Data Sheet