Basekim
Chemical Production Co.Ltd

Bitumen MC 800 MSDS

1. Product Identification

Item	Information
Product Name	Bitumen MC 800
Alternative Name	Cutback Bitumen MC 800 / MC 800 Cutback Asphalt
Product Type	Medium-Curing Cutback Bitumen
Recommended Use	Road construction, patching mixes, stockpile mixes, surface treatment
Supplier	Basekim
Physical Form	Dark brown to black viscous liquid

2. Hazard Identification

Bitumen MC 800 contains petroleum-derived volatile components and should be handled as a combustible hydrocarbon product.

Main hazards:

- Combustible liquid
- Vapors may ignite if exposed to sparks, flames, or hot surfaces
- May cause skin irritation after prolonged contact
- Vapors or mist may irritate the respiratory system
- Eye contact may cause irritation
- Heated product may cause thermal burns
- Accumulated vapors may create a fire or explosion hazard in poorly ventilated areas

3. Composition / Information on Ingredients

Component	Typical Function
Petroleum Asphalt / Bitumen	Main binder
Petroleum Distillate	Viscosity-reducing and curing component

Exact composition can vary according to manufacturing formulation and target specification.

4. First Aid Measures

Inhalation:
Move the exposed person to fresh air. Keep them at rest. Seek medical attention if breathing difficulty, dizziness, headache, or irritation continues.

Skin Contact:
Wash affected skin thoroughly with soap and water. Remove contaminated clothing. Do not use solvents to clean the skin.

Contact with Hot Product:
Cool the affected area with clean running water. Do not attempt to remove adhered bitumen from the skin. Seek medical attention.

Eye Contact:
Rinse carefully with clean water for at least 15 minutes. Remove contact lenses if easy to do. Obtain medical attention if irritation continues.

Ingestion:
Do not induce vomiting. Rinse the mouth and obtain medical advice immediately.

5. Fire-Fighting Measures

Suitable extinguishing media:

- Dry chemical powder
- Foam
- Carbon dioxide
- Water fog

Do not use a direct high-pressure water jet on burning material.

Specific hazards:
Combustion may produce smoke, carbon monoxide, carbon dioxide, and other hydrocarbon decomposition products.

Protective equipment:
Firefighters should use suitable protective clothing and self-contained breathing apparatus where necessary.

6. Accidental Release Measures

- Remove ignition sources.
- Stop leakage if this can be done safely.
- Prevent material from entering drains, waterways, or soil.
- Provide adequate ventilation.
- Contain the spill with sand, soil, or another non-combustible absorbent material.
- Collect the recovered material in approved waste containers.

- Dispose of contaminated material according to local regulations.

7. Handling and Storage

Handling:

- Avoid inhalation of vapors and mist.
- Avoid prolonged skin contact.
- Keep away from open flames and sparks.
- Use properly grounded transfer equipment.
- Use adequate ventilation.
- Do not smoke near the product.

Storage:

- Store in properly designed, closed tanks or containers.
- Keep away from heat, ignition sources, and oxidizing agents.
- Prevent water contamination.
- Avoid prolonged unnecessary heating.
- Maintain storage temperature according to operational and supplier recommendations.

8. Exposure Controls / Personal Protection

Engineering controls:
Use local or general ventilation where vapors may accumulate.

Personal protective equipment:

Protection Type	Recommendation
Eye Protection	Safety goggles or face shield
Hand Protection	Hydrocarbon-resistant gloves
Body Protection	Protective work clothing
Respiratory Protection	Suitable respirator where ventilation is insufficient
Foot Protection	Safety footwear resistant to hydrocarbons

9. Physical and Chemical Properties

Property	Typical Information
Appearance	Dark brown to black viscous liquid
Odor	Petroleum / hydrocarbon odor
Grade	MC 800
Kinematic Viscosity at 60°C	800–1,600 cSt
Flash Point	Min. 66°C, depending on applicable test method/specification
Water Content	Typically max. 0.2%
Solubility in Water	Insoluble
Density	Grade and batch dependent
Volatility	Contains volatile petroleum distillate
Residue after Distillation	Typically min. 75%

10. Stability and Reactivity

The product remains stable under normal storage and handling conditions.

Avoid:

- excessive heat;
- flames;
- sparks;
- strong oxidizing agents;
- uncontrolled heating.

Thermal decomposition may produce carbon monoxide, carbon dioxide, smoke, and hydrocarbon fumes.

11. Toxicological Information

Possible routes of exposure include inhalation, ingestion, skin contact, and eye contact.

Potential effects may include:

- skin irritation;
- eye irritation;

- respiratory irritation;
- dizziness or headache from excessive vapor exposure;
- thermal burns from heated material.

Repeated exposure to petroleum vapors should be minimized.

12. Ecological Information

Avoid uncontrolled discharge into the environment.

The material can contaminate soil and surface water. Petroleum components may be harmful to aquatic environments.

13. Disposal Considerations

Dispose of waste product, contaminated absorbents, and packaging according to national and local regulations.

Do not discharge into sewers, surface water, or soil.

14. Transport Information

Transport requirements depend on:

- composition;
- flash point;
- packaging;
- shipment temperature;
- country of origin;
- destination;
- applicable ADR, IMDG, or IATA regulations.

The shipping classification should always be confirmed from the current product-specific SDS before dispatch.

15. Regulatory Information

Users must comply with applicable occupational health, environmental, transportation, and chemical safety regulations in the destination country.

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16. Other Information

This MSDS provides general safety guidance for **MC 800 Bitumen**. Actual safety and transport data may vary by formulation, production batch, and jurisdiction. A shipment-specific SDS should be reviewed before commercial handling or transportation.