Basekim
Chemical Production Co.Ltd

Bitumen MC 70 MSDS

1. Product Identification

Item	Information
Product Name	Bitumen MC 70
Product Type	Medium Curing Cutback Bitumen
Common Name	MC 70 Cutback Bitumen
Recommended Use	Prime coating, road construction, pavement preparation
Physical Form	Black viscous liquid
Supplier	Basekim

2. Composition / Information on Ingredients

Bitumen MC 70 generally consists of petroleum bitumen blended with a petroleum-based hydrocarbon solvent to reduce viscosity and improve application.

Component	Typical Description
Petroleum Bitumen	Main binder
Petroleum Distillate / Hydrocarbon Solvent	Viscosity-reducing component
Water	Trace or controlled amount

Exact composition may vary depending on production specification and applicable standard.

3. Hazard Identification

Bitumen MC 70 contains petroleum-derived solvent and should be handled with appropriate industrial safety precautions.

Potential hazards include:

- Flammable or combustible vapors may form.
- Vapors may cause dizziness, headache, or respiratory irritation.
- Prolonged skin contact may cause irritation.
- Hot product may cause severe thermal burns.
- Vapor accumulation may create a fire hazard in poorly ventilated areas.
- Product release may contaminate soil and water.

Basekim
Chemical Production Co.Ltd

Avoid breathing vapors, mist, or fumes.

4. First Aid Measures

Inhalation

Move the affected person to fresh air immediately. Keep the person at rest. If breathing problems continue, seek medical attention.

Skin Contact

For cold material, wash the affected area thoroughly with soap and water.

If hot Bitumen MC 70 contacts the skin, cool the area immediately with clean running water. Do not forcibly remove solidified bitumen from the skin. Seek medical assistance.

Eye Contact

Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if easy to do. Seek medical attention if irritation continues.

Ingestion

Do not induce vomiting. Rinse the mouth and seek medical advice immediately, especially if a significant quantity has been swallowed.

5. Fire-Fighting Measures

Suitable Extinguishing Media

Use:

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

Do not use a strong direct water jet on burning liquid.

Specific Hazards

Combustion may produce irritating or harmful fumes, including:

- Carbon monoxide
- Carbon dioxide
- Hydrocarbon vapors
- Smoke

Protective Equipment

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

6. Accidental Release Measures

Keep unauthorized personnel away from the affected area.

Remove ignition sources and ensure adequate ventilation.

For small spills:

- Absorb the material using sand, earth, or another suitable inert absorbent.
- Collect the contaminated material in approved containers.
- Dispose of waste according to local regulations.

For large spills:

- Prevent the product from entering drains, waterways, and soil.
- Contain the spill using suitable barriers.
- Recover the material using appropriate industrial equipment.

7. Handling and Storage

Handling

- Avoid inhaling vapors and fumes.
- Avoid prolonged skin contact.
- Keep the product away from flames, sparks, and ignition sources.
- Use suitable personal protective equipment.
- Provide proper ventilation during transfer and application.
- Avoid uncontrolled heating.

Storage

Store Bitumen MC 70 in suitable, tightly closed containers or tanks.

Basekim
Chemical Production Co.Ltd

Keep storage areas:

- Cool and properly ventilated
- Away from ignition sources
- Away from strong oxidizing materials
- Protected from unnecessary heat exposure

Follow applicable local regulations for storing petroleum-based products.

8. Exposure Controls / Personal Protection

Engineering Controls

Provide adequate ventilation, particularly in enclosed working areas.

Personal Protective Equipment

Eye Protection:
Wear suitable safety glasses or chemical-resistant goggles.

Hand Protection:
Use hydrocarbon-resistant protective gloves.

Skin Protection:
Wear protective work clothing and safety footwear.

Respiratory Protection:
Use suitable respiratory protection if ventilation cannot maintain vapor concentrations at safe workplace levels.

9. Physical and Chemical Properties

Property	Typical Information
Appearance	Black viscous liquid
Odor	Petroleum / Hydrocarbon odor
Product Type	Medium Curing Cutback Bitumen
Kinematic Viscosity at 60°C	Approx. 70–140 cSt
Flash Point	Typically above 38°C
Solubility in Water	Practically insoluble
Solubility in Organic Solvents	Soluble in suitable hydrocarbon solvents

Color	Black
Curing Type	Medium
Volatility	Contains volatile petroleum fractions
Density	Grade and formulation dependent

Values may vary according to producer specifications and test standards.

10. Stability and Reactivity

Bitumen MC 70 remains stable under normal recommended storage and handling conditions.

Avoid:

- Open flames
- Sparks
- Excessive heating
- Strong oxidizing agents
- Uncontrolled ignition sources

Thermal decomposition or combustion may generate carbon monoxide, carbon dioxide, smoke, and hydrocarbon decomposition products.

11. Toxicological Information

Exposure may occur through inhalation, skin contact, eye contact, or accidental ingestion.

Possible effects include:

- Eye irritation
- Skin irritation or dryness
- Headache
- Dizziness
- Respiratory irritation
- Nausea following excessive vapor exposure

Hot product can cause serious thermal burns.

Repeated or prolonged exposure to petroleum vapors should be minimized.

12. Ecological Information

Avoid uncontrolled release into the environment.

Bitumen MC 70 may contaminate soil and waterways because of its petroleum components.

Prevent the product from entering:

- Surface water
- Groundwater
- Drainage systems
- Sewers

Collect spills promptly and dispose of contaminated materials according to environmental regulations.

13. Disposal Considerations

Dispose of unused product, residues, contaminated absorbents, and packaging according to national and local environmental regulations.

Do not discharge Bitumen MC 70 into drains, soil, or natural waterways.

Where permitted, suitable petroleum waste recovery or recycling methods may be used.

14. Transport Information

Bitumen MC 70 contains petroleum solvent and may be subject to regulated transport requirements depending on composition, flash point, packaging, quantity, and jurisdiction.

Before shipment, confirm:

- UN classification
- Proper shipping name
- Packing group
- Hazard class
- Marine pollutant status
- ADR/RID requirements
- IMDG requirements

- IATA requirements

Always use the classification stated in the official shipment-specific SDS and transport documents.

15. Regulatory Information

Users should comply with all applicable local, national, and international regulations related to:

- Petroleum products
- Flammable liquids
- Occupational exposure
- Storage
- Transportation
- Environmental protection
- Waste disposal

Regulatory classification may vary by country and formulation.

16. Other Information

This MSDS provides general safety information for **Bitumen MC 70** used in road construction and industrial applications.

Actual product composition, hazard classification, flash point, transport classification, and exposure limits may vary between manufacturers and batches.

For commercial shipments, always obtain and follow the official **Safety Data Sheet, Certificate of Analysis, and Technical Data Sheet** issued for the supplied product.