



Material Safety Data Sheet (MSDS)

Chinese Grade Bitumen AH 130

Supplier: Basekim

Product Name: Chinese Grade Bitumen AH 130

CAS No.: 8052-42-4

Product Type: Paving Grade Petroleum Bitumen

Revision Date: September 2026

1. Identification

Product: Chinese Grade Bitumen AH 130

Recommended Uses: Road construction, asphalt mixtures, paving, waterproofing, bitumen modification, and industrial applications.

Supplier: Basekim

2. Hazards Identification

Chinese Grade Bitumen AH 130 is generally not classified as hazardous at ambient temperature. However, heated material may create serious risks.

Main hazards:

- Hot bitumen can cause severe thermal burns.
- Heating may produce irritating fumes.
- Hydrogen sulfide may accumulate in tanks and enclosed spaces.
- Water contacting molten bitumen may cause violent splashing or boiling.
- Heated bitumen can burn when exposed to sufficient heat or flame.

3. Composition

Component	CAS No.	Concentration
Petroleum Bitumen	8052-42-4	Approx. 100%

The product consists mainly of high-molecular-weight petroleum hydrocarbons.



4. First Aid Measures

Inhalation:

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

Skin Contact:

For hot bitumen, cool the affected area immediately with clean running water for at least 15 minutes. Do not remove solidified bitumen from the skin. Seek medical treatment.

Eye Contact:

Flush carefully with plenty of clean water. Seek immediate medical attention if hot material contacts the eyes.

Ingestion:

Rinse mouth. Do not induce vomiting. Seek medical advice if necessary.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

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

Do not apply a direct water jet onto hot bitumen.

Hazardous combustion products may include:

- Carbon monoxide
- Carbon dioxide
- Sulfur oxides
- Hydrogen sulfide
- Smoke and hydrocarbon fumes

Firefighters should use suitable protective equipment and breathing apparatus when required.



6. Accidental Release Measures

Keep unauthorized personnel away from the spill area.

For hot spills, use heat-resistant protective equipment and avoid breathing fumes.

Allow the material to cool and solidify. Collect mechanically and place it in suitable containers.

Prevent entry into drains, waterways, and soil.

7. Handling and Storage

Avoid direct contact with hot material.

Use adequate ventilation during heating and transfer operations.

Never allow water to enter hot bitumen tanks or containers.

Store in suitable, dry, properly ventilated tanks or containers away from strong oxidizing agents.

Avoid excessive heating and open flames.

8. Exposure Controls / Personal Protection

Recommended PPE includes:

- Safety glasses
- Face shield for hot-product handling
- Heat-resistant gloves
- Protective clothing
- Safety footwear

Use suitable respiratory protection if ventilation is insufficient or bitumen fumes accumulate.

Monitor hydrogen sulfide where hot bitumen is stored in enclosed tanks.



9. Physical and Chemical Properties

Property	Typical Value
Appearance	Black semi-solid / solid
Odour	Characteristic petroleum odour
Penetration at 25°C	120–140 dmm
Softening Point	Approx. 38–51°C
Flash Point	Minimum 230°C
Solubility in Water	Insoluble
Solubility	Minimum 99%
Ductility at 15°C	Minimum 100 cm
Relative Density	Approx. 1.0

10. Stability and Reactivity

The product is stable under normal handling and storage conditions.

Avoid:

- Excessive temperatures
- Open flames
- Strong oxidizing materials
- Water contact with molten bitumen

Thermal decomposition may produce carbon oxides, sulfur compounds, and hydrocarbon fumes.

11. Toxicological Information

Cold bitumen generally presents low acute toxicity.

Heated bitumen fumes may irritate the eyes, nose, throat, and respiratory system.

Hot product can cause severe thermal burns.

High concentrations of hydrogen sulfide may cause dizziness, headache, breathing problems, unconsciousness, or serious health effects.

Prolonged occupational exposure to bitumen fumes should therefore be minimized.



12. Ecological Information

The product has very low water solubility.

It may remain in soil and sediment for long periods.

Large releases may physically affect aquatic environments.

Avoid uncontrolled release into drains, waterways, or soil.

13. Disposal Considerations

Recover or recycle unused product whenever possible.

Dispose of waste material and contaminated packaging according to local environmental regulations.

Do not discharge bitumen into drains or natural waterways.

14. Transport Information

Solid or cooled bitumen is generally not classified as dangerous goods under normal transport conditions.

For hot or molten transportation:

Item	Information
UN Number	UN 3257
Proper Shipping Name	Elevated Temperature Liquid, N.O.S.
Hazard Class	9

Transport classification should be confirmed according to shipment temperature and destination regulations.

15. Regulatory Information

Chinese Grade Bitumen AH 130 should be handled according to applicable occupational safety, environmental, transport, and chemical regulations in the destination country.



Relevant regulations may include GHS, ADR, IMDG, and local workplace safety requirements.

16. Other Information

Product: Chinese Grade Bitumen AH 130

Supplier: Basekim

CAS No.: 8052-42-4

Revision: 1.0

Safety Summary:

Handle hot bitumen carefully to prevent burns. Avoid inhaling fumes, prevent water contact with molten material, provide adequate ventilation, and use heat-resistant personal protective equipment.

Disclaimer:

This MSDS provides general safety guidance for Chinese Grade Bitumen AH 130. Basekim should verify the information against actual product specifications, batch data, and destination-country regulations before issuing it as an official regulatory SDS.