



# MSDS – Transparent Bitumen / Clear Bitumen

Material Safety Data Sheet

## 1. Product Identification

- **Product Name:** Transparent Bitumen / Clear Bitumen
- **Synonyms:** Clear Bitumen, Colorless Bitumen, Clear Asphalt Binder, Transparent Asphalt
- **Product Type:** Asphalt Binder
- **Recommended Use:** Decorative pavements, light-colored asphalt, urban design applications
- **Appearance:** Clear to light amber solid

## 2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under normal use
- **Physical Hazards:** Hot material may cause thermal burns
- **Health Hazards:** Prolonged contact with hot product may cause skin irritation

### Hazard Statements

- Hot molten material can cause burns
- Avoid inhalation of fumes during heating

### Precautionary Statements

- Use protective equipment during handling
- Avoid skin contact with hot material

### 3. Composition / Information on Ingredients

Component	Description	Hazard
Refined Hydrocarbon Binder	Main component	Not hazardous
Polymer Modifiers	Performance enhancer	Not hazardous
Resins	Adhesion improver	Not hazardous

*No hazardous ingredients above regulatory limits.*

### 4. First Aid Measures

- **Skin Contact:** Cool immediately with water. Do not remove solidified product from skin. Seek medical attention.
- **Eye Contact:** Flush eyes with clean water for at least 15 minutes. Seek medical help.
- **Inhalation:** Move to fresh air. Seek medical attention if irritation continues.
- **Ingestion:** Not expected. Do not induce vomiting.

### 5. Firefighting Measures

- **Suitable Extinguishing Media:** Foam, dry chemical, CO<sub>2</sub>
- **Unsuitable Media:** Direct water jet
- **Special Hazards:** Combustion may produce carbon monoxide and hydrocarbons
- **Protective Equipment:** Fire-resistant clothing and breathing apparatus

### 6. Accidental Release Measures

- Allow material to cool and solidify
- Remove mechanically
- Prevent material from entering drains or waterways



## 7. Handling and Storage

### Handling

- Heat gradually to recommended application temperature
- Avoid overheating
- Use protective gloves and clothing

### Storage

- Store in sealed containers
- Keep away from direct sunlight and open flames
- Recommended storage temperature: ambient

## 8. Exposure Controls / Personal Protection

- **Eye Protection:** Safety goggles
- **Skin Protection:** Heat-resistant gloves
- **Respiratory Protection:** Not required under normal conditions
- **Ventilation:** Adequate ventilation recommended

## 9. Physical and Chemical Properties

Property	Value
Appearance	Clear / light-colored solid
Odor	Mild hydrocarbon
Softening Behavior	Thermoplastic
Solubility in Water	Insoluble
Density	Approx. 0.95 – 1.05 g/cm <sup>3</sup>
Flash Point	>230°C

## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Reactivity:** Non-reactive
- **Hazardous Decomposition:** None under normal use
- **Conditions to Avoid:** Excessive heat

## 11. Toxicological Information

- No acute toxicity expected
- No known carcinogenic effects
- No reproductive toxicity reported

## 12. Ecological Information

- Not classified as environmentally hazardous
- Avoid uncontrolled release into environment

## 13. Disposal Considerations

- Dispose according to local regulations
- Recycle containers where possible

## 14. Transport Information

- **UN Number:** Not regulated
- **Transport Hazard Class:** Not classified
- **Packaging:** Drums, jumbo bags, bulk



## **15. Regulatory Information**

- Product complies with general industrial material regulations
- Not classified as dangerous goods

## **16. Other Information**

- Intended for industrial and construction use
- MSDS prepared based on current knowledge