



## MATERIAL SAFETY DATA SHEET (MSDS)

### BITUMEN MASTIC — BASEKIM

#### SECTION 1 — IDENTIFICATION

**Product Name:** Bitumen Mastic

**Product Use:** Waterproofing, sealing, repairing, construction protection

**Company:** BASEKIM

**Emergency Contact:** (To be completed by BASEKIM)

#### SECTION 2 — HAZARD IDENTIFICATION

##### Classification

- Not hazardous at ambient temperature
- Heated product may release fumes
- Hot material can cause severe burns

**Signal Word: WARNING**

##### Hazard Statements

- May cause skin and eye irritation
- Heated product can cause thermal burns
- Fumes may cause headache, dizziness, or respiratory irritation
- Prolonged or repeated exposure may affect respiratory system

##### Precautionary Statements

- Avoid breathing fumes
- Wear protective clothing and gloves
- Use in well-ventilated areas
- Keep away from heat and open flames



- Do not expose hot material to water

## SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percentage
Bitumen (petroleum asphalt)	50 – 80%
Mineral fillers	20 – 45%
Fibers	2 – 8%
Polymers / additives	0 – 10%

## SECTION 4 — FIRST AID MEASURES

### Inhalation

- Move person to fresh air
- Keep at rest
- Seek medical advice if symptoms persist

### Skin Contact

- For hot mastic: cool burn area with water immediately
- Do NOT remove solidified bitumen forcibly
- For cold mastic: wash with soap and water

### Eye Contact

- Rinse gently with clean water for 15 minutes
- Seek medical attention if irritation continues

### Ingestion

- Rinse mouth
- Do not induce vomiting
- Seek medical attention



## Symptoms

- Skin redness or irritation
- Eye irritation
- Dizziness or headache from fumes
- Burns from hot material

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## SECTION 5 — FIRE-FIGHTING MEASURES

### Extinguishing Media

- Foam
- Dry chemical powder
- CO<sub>2</sub>
- Water spray (fog)

### Specific Hazards

- Hot mastic may ignite at high temperatures
- Combustion may produce smoke and toxic gases

### Protective Equipment

- Full protective gear
- Self-contained breathing apparatus

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### Personal Precautions

- Avoid contact with hot material
- Ensure proper ventilation
- Wear protective gloves and clothing



## Environmental Precautions

- Prevent entry into drains and waterways

## Cleanup Method

- Allow hot spills to cool and solidify
- Scrape and collect material into containers
- For cold mastic: shovel into waste containers

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## SECTION 7 — HANDLING & STORAGE

### Handling

- Do not overheat
- Avoid inhalation of fumes
- Keep away from water when hot
- Use proper protective equipment

### Storage

- Store in cool, dry, ventilated areas
- Keep containers closed
- Keep away from ignition sources

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## SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

- Local exhaust ventilation when heating
- Good airflow during application





## Personal Protective Equipment

- Gloves (heat resistant)
- Protective clothing
- Safety goggles or face shield
- Respirator if ventilation is weak

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## SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES

- Appearance: Black, thick mastic
- Odor: Mild petroleum odor
- Softening Point: 80–120°C
- Flash Point: > 220°C
- Density: 1.20–1.50 g/cm<sup>3</sup>
- Solubility: Insoluble in water
- Viscosity: Very high
- Stability: Stable under normal conditions

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## SECTION 10 — STABILITY & REACTIVITY

- Stable under recommended storage
- Avoid strong oxidizers
- Avoid overheating
- Hazardous decomposition at high temperatures: smoke, CO, CO<sub>2</sub>

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## SECTION 11 — TOXICOLOGICAL INFORMATION

- May cause skin/eye irritation
  - Prolonged inhalation of fumes may affect respiratory health
  - Not acutely toxic
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## SECTION 12 — ECOLOGICAL INFORMATION

- Not expected to be biodegradable
- May cause long-term effects if released to environment
- Insoluble in water

## SECTION 13 — DISPOSAL CONSIDERATIONS

- Dispose according to local regulations
- Do not discharge to waterways
- Solid waste may be handled as construction waste

## SECTION 14 — TRANSPORT INFORMATION

- Not classified as dangerous goods in solid state
- Transport heated material carefully
- Keep containers upright and secure

## SECTION 15 — REGULATORY INFORMATION

- Classified as non-hazardous under standard construction materials
- Requires workplace ventilation and PPE during heating

## SECTION 16 — OTHER INFORMATION

**Prepared By:** BASEKIM Technical Department

**Intended Use:** Construction, asphalt, and waterproofing applications

**Revision:** Latest Version