



MATERIAL SAFETY DATA SHEET (MSDS)

Product: Asphalt Sealant

Company: BASEKIM

SECTION 1 — IDENTIFICATION

Product Name: Asphalt Sealant

Product Type: Bituminous sealant for asphalt surfaces, crack sealing, waterproofing

Recommended Use: Sealing asphalt pavements, crack filling, surface protection, industrial waterproofing

Manufacturer: BASEKIM

Emergency Phone: (To be completed by company)

SECTION 2 — HAZARD IDENTIFICATION

Classification

- Not classified as hazardous in solid form
- Heated product may pose significant risks
- Fumes may irritate skin, eyes, and respiratory system

Signal Word: WARNING

Hazard Statements

- May cause skin and eye irritation
- Heated material can cause severe thermal burns
- Inhalation of fumes may cause respiratory irritation
- Prolonged exposure may cause headaches, dizziness, or nausea

Precautionary Statements

- Avoid breathing fumes



- Wear protective gloves and eye protection
- Use only outdoors or in well-ventilated areas
- Do not allow hot product to contact water
- Keep away from heat, sparks, and open flames

Other Hazards

- Hot asphalt may splatter on contact with moisture
- Solid product is slippery if spilled
- Vapors may accumulate in confined spaces

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Substance: Asphalt Sealant

Composition:

- **Bitumen (Petroleum Asphalt)** — 70–100%
- **Mineral Fillers and Additives** — 0–30%
- **No solvents unless specified by formula**

CAS Number (Bitumen): 8052-42-4

SECTION 4 — FIRST AID MEASURES

Inhalation

- Move the person to fresh air
- Keep at rest and monitor breathing
- Seek medical attention if symptoms persist

Skin Contact

- For hot product: Cool affected area immediately with clean water



- Do NOT pull off solidified asphalt
- Seek medical assistance for burns
- For cold product: Wash with soap and water

Eye Contact

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

Ingestion

- Rinse mouth; do NOT induce vomiting
- Seek medical attention

Symptoms

- Irritation of skin, eyes, respiratory system
- Burns from hot material
- Headache or dizziness from fumes

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- Foam
- Dry chemical powder
- Carbon dioxide
- Water spray (for cooling only)

Unsuitable Media

- Do not use direct high-pressure water on hot material

Specific Hazards

- Hot material may ignite at high temperatures



- Combustion may release carbon monoxide, sulfur oxides, and smoke

Protective Equipment

- Full protective firefighting gear
- Self-contained breathing apparatus

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Avoid contact with hot material
- Ensure adequate ventilation
- Use protective clothing, gloves, and eye protection

Environmental Precautions

- Prevent entry into drains, soil, and waterways

Clean-Up Methods

- For hot spills: Allow product to solidify, then collect
- For cold spills: Scrape or shovel material into containers
- Dispose according to local regulations

SECTION 7 — HANDLING AND STORAGE

Handling

- Avoid breathing fumes
- Wear protective equipment
- Do not heat above recommended temperatures
- Keep away from water when hot



Storage

- Store in cool, dry, well-ventilated areas
- Keep containers tightly closed
- Avoid direct sunlight and ignition sources
- Do not store near oxidizing materials

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

- Use local exhaust ventilation when heating
- Keep fumes below recommended occupational limits

Personal Protective Equipment

- **Respiratory:** Use respirator if ventilation is poor
- **Skin:** Heat-resistant gloves and protective clothing
- **Eye:** Safety goggles or face shield
- **Foot Protection:** Safety shoes

SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES

- Appearance: Black, semi-solid or paste
- Odor: Mild petroleum odor when cold; stronger when heated
- pH: Not applicable
- Melting/Softening Point: 40–60°C (typical)
- Flash Point: > 230°C
- Density: 1.00–1.15 g/cm³
- Solubility: Insoluble in water
- Viscosity: High; decreases with temperature



SECTION 10 — STABILITY & REACTIVITY

Stability

- Stable under normal storage and handling conditions

Reactivity

- Reacts violently with water when hot
- Avoid heating above safe limits

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Sulfur oxides
- Smoke

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Inhalation of fumes
- Skin contact
- Eye contact

Effects

- Irritation to skin/eyes
- Headache or dizziness from fumes
- Burns from hot product

Chronic Exposure

- Long-term exposure to high concentrations of fumes may affect respiratory health



SECTION 12 — ECOLOGICAL INFORMATION

- Not expected to be biodegradable
 - Insoluble in water
 - May be harmful to aquatic life if released in large quantities
 - Avoid contamination of soil and water
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SECTION 13 — DISPOSAL CONSIDERATIONS

- Collect solidified waste in suitable containers
 - Dispose according to local environmental regulations
 - Do not discharge into drains or natural waterways
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SECTION 14 — TRANSPORT INFORMATION

UN Number: Not classified as dangerous when solid

Mode of Transport:

- Drums, pails, bulk containers
- Transport heated product with proper precautions

Transport Hazards

- Hot material may cause burns
 - Fumes enclosed in tankers require ventilation
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SECTION 15 — REGULATORY INFORMATION

- Classified as non-hazardous under most regulations when in solid state
- Heated material requires occupational safety controls
- All additives used comply with industrial chemical regulations



SECTION 16 — OTHER INFORMATION

Prepared By: BASEKIM Technical Department

Intended Use: Industrial and construction applications only

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