

## Material Safety Data Sheet (MSDS) – Bitumen & Bituminous Products

### 1. Identification

Product Name: Bitumen & Bituminous Binders

Synonyms: Asphalt, Petroleum Bitumen, Cutback Bitumen, Polymer Modified Bitumen, Oxidized Bitumen

Covered Grades: 50/70, 60/70, 80/100, VG10, VG20, VG30, VG40, MC-30, MC-70, RC-70, PMB, Oxidized Grades

CAS Number: 8052-42-4

Recommended Uses: Road construction, asphalt paving, waterproofing, roofing, industrial applications

### 2. Hazard Identification

Solid Bitumen, VG, PMB, Oxidized, MC and RC grades are not classified as hazardous under GHS in solid form

Main hazards are thermal burns from hot material and irritation from fumes

### 3. Composition / Information on Ingredients

Complex mixture of petroleum hydrocarbons

May contain polymers or light solvents depending on grade

### 4. First Aid Measures

Inhalation: Move to fresh air

Skin Contact: Cool with water, do not remove solidified bitumen

Eye Contact: Rinse with water for 15 minutes

Ingestion: Do not induce vomiting

### 5. Fire Fighting Measures

Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical, sand

Hazards: Dense smoke, CO, SO<sub>x</sub>

Protective Equipment: SCBA and protective clothing

### 6. Accidental Release Measures

Allow to cool and solidify

Prevent entry into drains

Use protective equipment

### 7. Handling and Storage

Avoid overheating

Ensure ventilation

Store away from ignition sources

### 8. Exposure Controls / Personal Protection

Wear heat resistant gloves, goggles, protective clothing

Use respiratory protection if needed

#### 9. Physical and Chemical Properties

Appearance: Black solid or liquid

Odor: Petroleum

Flash Point: >230°C

Solubility: Insoluble in water

#### 10. Stability and Reactivity

Stable under normal conditions

Avoid strong oxidizers and excessive heat

#### 11. Toxicological Information

Low acute toxicity

Bitumen fumes classified as IARC Group 2B

#### 12. Ecological Information

Not expected to be toxic in solid form

Not biodegradable

#### 13. Disposal Considerations

Dispose according to local regulations

Recycle where possible

#### 14. Transport Information

All grades including MC and RC are not classified as dangerous goods

UN Number: Not regulated

#### 15. Regulatory Information

GHS compliant

REACH compliant

#### 16. Other Information

This MSDS applies to all supplied grades of bitumen and bituminous products