



MATERIAL SAFETY DATA SHEET (MSDS)

Sulphonated Asphalt

SECTION 1: Identification of the Substance and Company

Product Name: Sulphonated Asphalt

Chemical Name: Sulfonated Asphalt Derivative

Recommended Use: Oilfield Drilling Fluid Additive, Shale Stabilizer, Fluid Loss Control Agent

Supplier:

BASEKIM KIMYA SAN. VE TIC. LTD. STI.

Ankara, Türkiye

Tel: +90 312 514 70 55

SECTION 2: Hazard Identification

GHS Classification

Not classified as hazardous according to GHS criteria under normal handling conditions.

Label Elements

Signal Word: None

Hazard Statements:

- Product may cause mild eye irritation.
- Dust may cause respiratory tract irritation.
- Prolonged skin contact may cause dryness.

Precautionary Statements:

- Avoid breathing dust.
- Use appropriate personal protective equipment.
- Wash hands after handling.



SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Sulphonated Asphalt	Proprietary	≥ 90%
Moisture & Inert Materials	N/A	≤ 10%

SECTION 4: First Aid Measures

Eye Contact

Immediately flush with plenty of clean water for at least 15 minutes.

Skin Contact

Wash thoroughly with soap and water.

Inhalation

Move affected person to fresh air.

Ingestion

Rinse mouth with water. Seek medical attention if symptoms persist.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Water spray
- Dry chemical powder
- Carbon dioxide (CO₂)
- Foam

Specific Hazards

Combustion may produce:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)
- Sulfur oxides (SO_x)



Protective Equipment

Self-contained breathing apparatus (SCBA).

SECTION 6: Accidental Release Measures

Personal Precautions

Avoid dust generation.

Environmental Precautions

Prevent entry into drains and waterways.

Cleanup Methods

Collect material mechanically and place in suitable containers for disposal.

SECTION 7: Handling and Storage

Handling

- Avoid creating dust.
- Ensure adequate ventilation.
- Use appropriate PPE.

Storage

- Store in a cool, dry place.
- Keep containers tightly closed.
- Protect from moisture.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

General ventilation recommended.

Personal Protective Equipment

Eye Protection

Safety glasses or goggles.

**Hand Protection**

Chemical-resistant gloves.

Respiratory Protection

Dust mask when airborne dust levels are excessive.

Protective Clothing

Standard work clothing.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Brown to Black Powder
Odor	Mild Asphalt Odor
pH (1% Solution)	8.0 – 10.0
Solubility in Water	Dispersible
Density	Approx. 0.70 – 0.90 g/cm ³
Flash Point	Not Applicable (Solid)
Auto Ignition Temperature	Not Determined
Explosive Properties	None

SECTION 10: Stability and Reactivity

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

- Excessive heat
- Moisture
- Strong oxidizing agents

Hazardous Decomposition Products

- Sulfur oxides
- Carbon oxides



SECTION 11: Toxicological Information

Acute Toxicity

No known acute toxicity under normal industrial use.

Skin Corrosion/Irritation

May cause mild irritation after prolonged exposure.

Eye Damage/Irritation

May cause temporary irritation.

Respiratory Sensitization

Dust may irritate respiratory passages.

Carcinogenicity

No known carcinogenic effects.

SECTION 12: Ecological Information

Ecotoxicity

No significant ecological hazard expected.

Persistence and Degradability

Expected to degrade slowly.

Bioaccumulative Potential

Not expected to bioaccumulate significantly.

Mobility in Soil

Limited mobility.



SECTION 13: Disposal Considerations

Dispose of in accordance with local, national and international regulations.

Do not discharge into drains or waterways.

SECTION 14: Transport Information

ADR/RID

Not regulated.

IMDG

Not classified as dangerous goods.

IATA

Not classified as dangerous goods.

UN Number

Not Applicable.

Proper Shipping Name

Sulphonated Asphalt

Transport Hazard Class

Not Regulated.

SECTION 15: Regulatory Information

Product should be handled according to applicable occupational health and safety regulations.

No special transport restrictions known.

SECTION 16: Other Information

The information contained herein is believed to be accurate and represents the best information currently available. The product should be used only for its intended application and in accordance with applicable regulations.