



## MATERIAL SAFETY DATA SHEET (MSDS / SDS)

### SECTION 1 – PRODUCT IDENTIFICATION

**Product Name:** Fluid-Loss Control Drilling Additive

**Product Type:** Filtration-control additive for drilling fluids

**Recommended Use:** Reduction of fluid loss in drilling muds; formation sealing; HPHT filtration control.

**Manufacturer:** Basekim Company

### SECTION 2 – HAZARD IDENTIFICATION

#### Classification (GHS):

- Not classified as hazardous under normal industrial conditions.
- May cause eye irritation.
- Dust may cause respiratory irritation.

**Signal Word:** Warning

#### Hazard Statements:

- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H315: May cause mild skin irritation.

#### Precautionary Statements:

- Avoid breathing dust.
- Wear protective gloves, goggles and dust mask.
- Use only with adequate ventilation.
- Wash hands after handling.

#### Other Hazards:

- Dust may form explosive mixtures in air.
- Slippery when wet.



## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

This product is a proprietary blend of modified natural hydrocarbons, asphaltic solids, mineral fines, and filtration-control polymers.

Component	CAS Number	% by Weight
Modified Asphaltic / Hydrocarbon Solids	64742-02-5	55–75%
Natural Mineral Fines (Calcium / Silicate content)	1317-65-3	10–25%
Organic Filtration-Control Polymers	Proprietary	5–15%
Moisture	—	2–8%

No component is classified as carcinogenic by IARC, NTP, ACGIH or OSHA.

## SECTION 4 – FIRST AID MEASURES

### Inhalation:

Move person to fresh air. If irritation continues, seek medical attention.

### Skin Contact:

Wash skin with soap and water. Remove contaminated clothing.

### Eye Contact:

Rinse cautiously with water for 15 minutes. Seek medical attention if irritation persists.

### Ingestion:

Rinse mouth. Do NOT induce vomiting. Seek medical advice if symptoms develop.



### Most Important Symptoms:

- Eye irritation
- Dryness of skin
- Coughing or throat irritation from dust

## SECTION 5 – FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Foam, dry chemical, CO<sub>2</sub>, water spray.

**Unsuitable Media:** High-pressure water jet.

**Specific Hazards:** Thermal decomposition produces CO, CO<sub>2</sub> and hydrocarbon fumes.

**Protective Equipment:** Self-contained breathing apparatus (SCBA).

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Avoid generating dust.
- Use protective equipment.
- Sweep or vacuum into containers.
- Avoid discharge into drains or waterways.
- Wash area with water after cleaning.

## SECTION 7 – HANDLING AND STORAGE

### Handling:

- Use with good ventilation.
- Avoid dust generation.
- Do not eat, drink or smoke during handling.

### Storage:

- Store dry, cool and away from moisture.
- Keep bags tightly closed.
- Avoid ignition sources.



## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

- Total dust: 10 mg/m<sup>3</sup>
- Respirable dust: 3 mg/m<sup>3</sup>

### Engineering Controls:

- Local exhaust ventilation for mixing and bulk handling.

### PPE Requirements:

- Respiratory protection: N95 dust mask.
- Hand protection: Chemical-resistant gloves.
- Eye protection: Safety goggles.
- Clothing: Long-sleeved protective garments.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Black or dark brown powder / granule
Odor	Mild hydrocarbon
Solubility in Water	Insoluble
Moisture	2–8%
Softening Point	140–180 °C (asphaltic component)
Flash Point	> 230 °C
Bulk Density	0.8–1.2 g/cm <sup>3</sup>
pH (dispersed)	Neutral
Particle Sizes	Lumps, 30–40 mesh, 100 mesh, 200–300 mesh





## SECTION 10 – STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Moisture, open flames, excessive dust.
- **Incompatible Materials:** Strong oxidizers.
- **Decomposition Products:** CO, CO<sub>2</sub>, organic fumes.

## SECTION 11 – TOXICOLOGICAL INFORMATION

- Low acute toxicity.
- Eye irritation possible.
- Prolonged dust inhalation may affect respiratory system.
- Not known to cause carcinogenic, mutagenic, or reproductive effects.

## SECTION 12 – ECOLOGICAL INFORMATION

- Not soluble in water.
- Low mobility in soil.
- Not expected to bioaccumulate.
- Avoid uncontrolled release into the environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

- Dispose of according to local regulations.
- Non-hazardous solid industrial waste.
- Do not discharge into natural waters.

## SECTION 14 – TRANSPORT INFORMATION

**UN Number:** Not applicable

**Hazard Class:** Not regulated

**Packing Group:** Not applicable

**Transport Conditions:** Keep dry and protected from moisture.



## SECTION 15 – REGULATORY INFORMATION

- Classified as non-hazardous under GHS.
- Not listed as a hazardous chemical under major international regulations.

## SECTION 16 – OTHER INFORMATION

This SDS is prepared according to industrial best practice and reflects typical product behavior. Users must evaluate the product under their operational conditions.

**Basekim Company – Industrial Chemicals Division**