



## MATERIAL SAFETY DATA SHEET (MSDS)

### Basekim Organophilic Lignite for Drilling

**Product Name:** Basekim Organophilic Lignite

**Synonyms:** Amine-treated lignite, organo-lignite

**Use:** Filtration control & fluid performance additive in oil-based & synthetic drilling fluids Basekim

**Supplier:** Basekim

#### 1. Identification

- **Product:** Organophilic Lignite
- **Recommended Use:** Additive for oil-based drilling muds
- **Restrictions:** Not for food, pharmaceutical, or other non-industrial uses
- **Emergency Contact:** Provided by supplier

#### 2. Hazard Identification

- **GHS Classification:** Not classified as hazardous
- **Hazards:**
  - Dust may cause mechanical irritation to eyes and respiratory system
  - Not known to have acute toxicity when used properly
- **Label Elements:** None required
- **Precautionary Statements:** Avoid breathing dust; wear protective equipment

#### 3. Composition / Information on Ingredients

Ingredient	Composition
Organophilic lignite	≥ 98% (treated lignite coal with amine compounds)
Additives	≤ 2% (treatment agents)

*Natural material; no regulated hazardous components under 29 CFR 1910.1200.*



## 4. First-Aid Measures

- **Inhalation:** Remove to fresh air; if symptoms persist, seek medical attention
- **Skin Contact:** Wash with soap & water
- **Eye Contact:** Rinse with clean water for 15+ minutes; seek care if irritation continues
- **Ingestion:** Rinse mouth; do **not** induce vomiting; seek medical advice

## 5. Fire-Fighting Measures

- **Fire Hazard:** Low; product is not highly flammable
- **Extinguishing Media:** Water spray, foam, dry chemical
- **Special Hazards:** Combustion may produce smoke and carbon oxides
- **Protection:** Standard firefighter PPE

## 6. Accidental Release Measures

- Use dust-suppressing methods
- Sweep up dry material into suitable containers
- Avoid release to waterways

## 7. Handling & Storage

- **Handling:** Use dust control; avoid prolonged inhalation
- **Storage:** Store in cool, dry, well-ventilated area; keep bags sealed



## 8. Exposure Controls / PPE

- **Respiratory Protection:** NIOSH-approved dust mask if dust levels high
- **Eyes:** Safety goggles
- **Gloves:** Chemical protective gloves recommended

## 9. Physical & Chemical Properties

- **Form:** Free-flowing powder
- **Color:** Dark brown to black
- **Odor:** Mild organic coal-like
- **Solubility:** Insoluble in water; dispersible in oil
- **pH:** Not applicable
- **Melting/Boiling Point:** Not applicable

## 10. Stability & Reactivity

- **Stability:** Stable under normal use
- **Reactivity:** None known
- **Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

- **Acute Toxicity:** Not classified
- **Irritation:** Dust may cause minor irritation
- **Carcinogenicity:** Not listed by IARC/NTP/OSHA

## 12. Ecological Information

- **Environmental Hazard:** Considered low risk when used as intended
- **Bioaccumulation:** Not relevant
- **Mobility:** Limited due to insolubility



### 13. Disposal Considerations

- Dispose in accordance with local regulations for solid industrial waste

### 14. Transport Information

- **UN Number:** Not regulated
- **Transport Hazard Class:** Not classified
- **Marine Pollutant:** No

### 15. Regulatory Information

- Complies with GHS where applicable
- Regulatory status may vary by country

### 16. Other Information

- Revision based on typical drilling fluid additive safety and industry standards