Basekim
Chemical Production Co.Ltd.

SAFETY DATA SHEET (SDS / MSDS)

Product: Gilsonite (Natural Asphalt / Asphaltite)
Supplier: Basekim
Version: 1.0
Revision Date: (Insert Date)

---

1. Identification of the Substance and Company

Product Name: Gilsonite
Other Names: Natural Asphalt, Asphaltite, Natural Bitumen
Recommended Uses:

- Drilling mud additive (OBM & WBM)
- Lost circulation material (LCM)
- Shale stabilizer
- Cementing additive
- Bitumen/asphalt modifier

Supplier: Basekim
Address: (Insert your Turkey / UAE office addresses)
Emergency Phone: (Insert)
Email: (Insert contact email)
Use: Industrial use only.

---

2. Hazard Identification

GHS Classification:

- Not classified as hazardous for health or environment.
- Combustible dust hazard when in fine powder form.

Signal Word: WARNING
Hazard Statement:

- May form combustible dust–air mixtures.
- Dust may cause mechanical irritation to eyes, skin, or

respiratory system.

Precautionary Statements:

- Avoid generating dust.
- Keep away from ignition sources.
- Wear protective gloves, safety glasses, and dust respirator if needed.

Other Hazards:

- Slippery when spilled.
- When overheated, may release irritating fumes.

---

3. Composition / Information on Ingredients

Component	CAS No.	Concentration
Gilsonite (Natural Asphalt)	12002-43-6	~100%

Impurities: small amounts of mineral ash and moisture depending on grade.

---

4. First Aid Measures

Inhalation: Move to fresh air. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. Remove contaminated clothing.

Eye Contact: Rinse with water for several minutes. Remove contact lenses if easy to do.

Ingestion: Rinse mouth. Do not induce vomiting. Seek attention if discomfort continues.

Symptoms: Dust may cause eye redness, coughing, scratchy throat, or skin irritation.

---

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, CO_2.
Specific Hazards: Fine powder can explode if dispersed in air and exposed to ignition.
Decomposition Products: CO, CO_2, hydrocarbons, smoke.
Protective Gear: Firefighters should wear SCBA.

---

6. Accidental Release Measures

Personal Precautions:

- Avoid dust inhalation and ignition sources.
- Wear PPE including dust mask and eye protection.

Environmental Precautions:

- Prevent entry into drains and waterways.

Clean-up Methods:

- Avoid dry sweeping; vacuum or gently shovel.
- Lightly mist with water to reduce dust.

---

7. Handling and Storage

Handling:

- Avoid generating airborne dust.
- Ensure good ventilation.
- Use grounded equipment to reduce electrostatic discharge.
- Keep away from flames and sparks.

Storage:

- Store in a cool, dry, well-ventilated place.
- Keep bags tightly closed.
- Protect from moisture and direct sunlight.

---

8. Exposure Controls / PPE

Basekim
Chemical Production Co.Ltd.

Exposure Limits: Treat as nuisance dust:

- **Total dust: 10 mg/m³**
- **Respirable dust: 3–5 mg/m³**

Engineering Controls:

- **Local exhaust ventilation in dusty areas.**

PPE:

- **Respirator (N95/P2) when dust exceeds limits**
- **Safety glasses**
- **Gloves**
- **Protective clothing**

---

9. Physical and Chemical Properties

Property	Value
Appearance	Black solid (lumps, granules, or powder)
Odour	Mild bituminous
Softening Point	140–220 °C
Density	~1.06
Moisture	~1%
Ash Content	~1%
Solubility (water)	Insoluble
Solubility (organic solvents)	Soluble in aromatic/aliphatic solvents
Flash Point	> 300 °C
Flammability	Combustible solid
Auto-ignition	Not precisely determined
Explosion Risk	Possible as fine dust

İLKBAHAR MAH. GALİP ERDEM CD.FAHREDDIN PASA (613) SOKAK, NO.6, ÇANKAYA ANKARA/TURKEY
00903125147074
00903125147081
info@basekim.com
www.basekim.com

10. Stability and Reactivity

Stability: Stable at ambient conditions.
Conditions to Avoid: Dust accumulation, sparks, open flames.
Incompatible Materials: Strong oxidizing agents.
Decomposition: CO, CO_2, hydrocarbons, smoke when burned.

11. Toxicological Information

- **Low acute toxicity.**
- **Dust may irritate eyes, skin, lungs.**
- **Not known to cause sensitization.**
- **Not classified as carcinogenic under normal handling (risk exists only when overheated and fume exposure occurs).**

12. Ecological Information

- **Not soluble in water.**
- **Low acute aquatic toxicity.**
- **Slowly biodegradable; may persist in soil or sediment.**
- **Avoid release into waterways.**

13. Disposal Considerations

- **Dispose as non-hazardous industrial waste unless contaminated.**
- **Follow local regulations for solid waste.**
- **Packaging can be recycled if cleaned.**

14. Transport Information

- **Not regulated as dangerous goods.**
- **No UN number required.**

- Transport in sealed bags to avoid dust release.

15. Regulatory Information

- Substance is generally not classified as hazardous.
- Observe occupational dust exposure regulations in each country.

16. Other Information

Prepared for industrial use.
Users should verify suitability and update revision dates.
This SDS does not replace statutory documents required by local law.