

MSDS of Gilsonite fluid loss control

Gilsonite, a natural asphalt used as a fluid loss control additive in drilling operations, has specific safety considerations outlined in its Material Safety Data Sheet (MSDS). Key points include:

Product Identification:

- **Name:** Gilsonite
- **Applications:** Asphalt roofing felt, oil well drilling fluid additive, fluid loss reducer.

First Aid Measures:

- **Eye Contact:** Flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.
- **Skin Contact:** Wash skin thoroughly with soap and water. Remove and wash contaminated clothing.
- **Inhalation:** Move the person to fresh air. If symptoms persist, seek medical attention.
- **Ingestion:** Not expected to be an ingestion problem; no specific first aid procedures are required.

Immediate Health Effects:

- **Eye Contact:** May cause irritation due to the abrasive action of dust. Symptoms can include pain, tears, swelling, redness, and blurred vision.
- **Skin Contact:** Not expected to cause prolonged or significant skin irritation.
- **Inhalation:** Breathing dust at high concentrations may irritate the respiratory tract, causing symptoms like nasal discharge, sore throat, coughing, and difficulty breathing.
- **Ingestion:** Practically non-toxic if swallowed.

Protective Equipment:

- **Eye Protection:** Wear chemical goggles to prevent eye contact.
- **Skin Protection:** No special skin protection is necessary.
- **Respiratory Protection:** If high airborne concentrations are present, use an approved respirator.
- **Ventilation:** Special ventilation may be needed if operating conditions create high airborne concentrations.

Fire Protection:

- **Flash Point:** 599°F (315°C)
 - **Extinguishing Media:** CO₂, dry chemical, foam, water fog.
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- **Fire Fighting Procedures:** Use proper protective equipment, including self-contained breathing apparatus, when fighting fires involving this material.

Storage, Handling, and Reactivity:

- **Stability:** Stable under normal conditions.
- **Incompatibility:** May react with strong oxidizing agents.
- **Special Precautions:** Dusts can combust or explode upon contact with sparks, open flames, or high temperatures.

Physical Properties:

- **Appearance:** Black solid
- **Melting Point:** 275–400°F (135–205°C)
- **Specific Gravity:** 1.04–1.06

Spill Response and Disposal:

- **Spill/Leak Precautions:** Clean up spills immediately, observing protective measures.
- **Disposal Methods:** Place contaminated materials in disposable containers and dispose of in accordance with local regulations.

Regulatory Information:

- **DOT Shipping Name:** Not designated as a hazardous material by the Federal DOT.
- **DOT Hazard Class:** Non-hazardous

For detailed information, please refer to the full MSDS available at:

Always handle Gilsonite in accordance with local regulations and guidelines to ensure safety.

