



Material Safety Data Sheet (MSDS) – Bentonite Grease

Section 1: Product and Company Identification

Product Name: Bentonite Grease

Product Use: Lubricating Grease

Manufacturer/Supplier: ATDM

Section 2: Hazard Identification

Classification:

- Not classified as hazardous under GHS regulations.
- May cause mild irritation to eyes and skin upon prolonged exposure.

Label Elements:

Signal Word: None

Hazard Statements:

- H320: May cause eye irritation.
- H315: May cause mild skin irritation.

Precautionary Statements:

- P264: Wash hands thoroughly after handling.
 - P280: Wear protective gloves/eye protection if necessary.
 - P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes.
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Section 3: Composition/Information on Ingredients

Component	CAS Number	Percentage (%)
Bentonite Clay	1302-78-9	5-20%
Base Oil (Mineral or Synthetic)	Various	70-90%
Additives (e.g., Anti-Wear, Corrosion Inhibitors)	Proprietary	1-10%

Section 4: First Aid Measures

Inhalation:

- If inhaled, move to fresh air. Seek medical attention if symptoms persist.

Skin Contact:

- Wash affected area with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.

Eye Contact:

- Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.

Ingestion:

- Do not induce vomiting. Rinse mouth with water and seek medical attention if symptoms occur.
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Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

- Carbon dioxide (CO₂), dry chemical, foam, or water spray.

Unsuitable Extinguishing Media:

- Do not use water jet as it may spread the fire.

Special Protective Equipment for Firefighters:

- Wear self-contained breathing apparatus and protective clothing.
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Section 6: Accidental Release Measures

Personal Precautions:

- Use personal protective equipment (gloves, goggles) to avoid skin and eye contact.

Environmental Precautions:

- Prevent entry into drains, soil, or waterways.

Cleanup Methods:

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- Contain the spill with absorbent materials (sand, sawdust).
 - Collect and dispose of according to local regulations.
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Section 7: Handling and Storage

Handling:

- Avoid prolonged skin and eye contact.
- Use in a well-ventilated area.

Storage:

- Store in a cool, dry, and well-ventilated area.
 - Keep containers tightly closed when not in use.
 - Keep away from strong oxidizing agents.
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Section 8: Exposure Controls/Personal Protection

Exposure Limits:

- No occupational exposure limits established.

Engineering Controls:

- Provide adequate ventilation to reduce vapor accumulation.

Personal Protective Equipment (PPE):

- **Hand Protection:** Wear chemical-resistant gloves.
 - **Eye Protection:** Safety glasses or goggles recommended.
 - **Respiratory Protection:** Not required under normal use.
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Section 9: Physical and Chemical Properties

Property	Value
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Appearance	Smooth, semi-solid grease
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Property	Value
Color	Brown, black, or other (varies)
Odor	Mild petroleum odor
pH	Not applicable
Flash Point	>200°C (>392°F)
Boiling Point	Not determined
Solubility	Insoluble in water
Viscosity	Highly viscous

Section 10: Stability and Reactivity

Stability:

- Stable under normal conditions.

Hazardous Reactions:

- None under normal conditions of use.

Conditions to Avoid:

- Extreme heat, strong oxidizing agents.

Hazardous Decomposition Products:

- May release carbon monoxide, carbon dioxide, and other hydrocarbons when burned.
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Section 11: Toxicological Information

Routes of Exposure:

- Inhalation, skin contact, eye contact, ingestion.

Acute Toxicity:

- Not expected to be acutely toxic
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Chronic Effects:

- Prolonged exposure may cause skin dryness or irritation.

Carcinogenicity:

- No components classified as carcinogenic by IARC, NTP, or OSHA.
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Section 12: Ecological Information**Environmental Impact:**

- Not expected to be highly toxic to aquatic organisms.

Persistence and Degradability:

- Base oils may not be readily biodegradable.

Bioaccumulation:

- Not expected to bioaccumulate.
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Section 13: Disposal Considerations

- Dispose of according to local, state, and federal regulations.
 - Do not dispose of in drains, soil, or waterways.
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Section 14: Transport Information

UN Number: Not regulated.

Proper Shipping Name: Not classified as dangerous goods.

Transport Hazard Class: Not applicable.

Packing Group: Not applicable.

Marine Pollutant: No.

Section 15: Regulatory Information

- This product complies with local regulations for lubricating greases.
 - Not classified as hazardous under GHS.
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