



Material Safety Data Sheet (MSDS)

Product Name: Calcium Grease

Brand: Basekim

Date of Issue: September 2025

Version: 1.0

Section 1: Identification of the Product and Supplier

- **Product Name:** Calcium Grease
- **Other Names:** Calcium-Based Grease, Multipurpose Calcium Grease
- **Intended Use:** Industrial lubricant for automotive, marine, agricultural, and construction applications
- **Supplier:** Basekim
- **Address:** [Insert Basekim office addresses – UAE, Turkey]
- **Email:** info@basekim.com
- **Emergency Phone Number:** [Insert emergency contact number]

Section 2: Hazards Identification

- **Classification:** Non-hazardous under normal industrial use
- **Hazard Statements:**
 - May cause mild eye or skin irritation upon prolonged contact
 - Spilled grease can create a slip hazard
- **Precautionary Statements:**
 - Avoid direct contact with skin and eyes
 - Use gloves and protective equipment during handling
 - Keep away from open flames and high heat

Section 3: Composition / Information on Ingredients

Ingredient	CAS Number	Percentage (%)
Mineral Oil Base	64742-65-0	70–80%
Calcium Soap Thickener	1305-62-0	10–15%
Additives (Anti-rust, Anti-oxidant)	Proprietary	5–10%



Section 4: First Aid Measures

- **Skin Contact:** Wash with soap and water. Seek medical advice if irritation occurs.
- **Eye Contact:** Rinse immediately with clean water for at least 15 minutes.
- **Inhalation:** Unlikely route of exposure; move to fresh air if symptoms occur.
- **Ingestion:** Do not induce vomiting. Seek medical attention immediately.

Section 5: Firefighting Measures

- **Flash Point:** > 200°C (ASTM D92)
- **Suitable Extinguishing Media:** Foam, dry chemical powder, CO₂, or sand
- **Unsuitable Media:** Direct water jet
- **Special Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

- **Personal Precautions:** Wear gloves and non-slip shoes to prevent injuries.
- **Environmental Precautions:** Prevent entry into drains or waterways.
- **Clean-Up Method:** Scrape up spilled material and place in appropriate container for disposal. Use absorbent material for small spills.

Section 7: Handling and Storage

- **Handling:**
 - Use protective gloves and goggles.
 - Avoid prolonged contact with skin and eyes.
 - Maintain good industrial hygiene.
- **Storage:**
 - Store in a cool, dry, and well-ventilated area.
 - Keep containers tightly closed.
 - Avoid direct sunlight and extreme heat.



Section 8: Exposure Control / Personal Protection

- **Protective Equipment:**
 - Safety glasses or goggles
 - Protective gloves
 - Industrial coveralls
- **Ventilation:**
 - Ensure good ventilation in storage and application areas.

Section 9: Physical and Chemical Properties

Property	Description
Appearance	Smooth, semi-solid grease
Color	Light brown / amber
Odor	Mild, oily
Dropping Point	> 85°C (ASTM D2265)
Water Resistance	Excellent
Flash Point	> 200°C
NLGI Grade	2

Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** High temperatures, open flames.
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, smoke.
- **Incompatibility:** Strong oxidizing agents.

Section 11: Toxicological Information

- **Acute Toxicity:** Low toxicity expected with normal use.
- **Skin Contact:** May cause mild irritation.
- **Eye Contact:** May cause temporary irritation.
- **Inhalation:** Unlikely due to low volatility.

Section 12: Ecological Information

- **Environmental Effects:**



- Not expected to be highly toxic to aquatic life.
- Avoid uncontrolled release to the environment.
- **Biodegradability:**
 - Product is slowly biodegradable.

Section 13: Disposal Considerations

- Dispose of according to local regulations.
- Do not discharge into waterways or open environment.

Section 14: Transport Information

- **UN Number:** Not regulated as hazardous
- **Transportation Mode:** Road, sea, air – no restrictions
- **Labeling:** Non-hazardous

Section 15: Regulatory Information

- Complies with local and international industrial lubricant regulations.

Section 16: Other Information

- **Prepared By:** Basekim Technical Team
- **Disclaimer:** Information is accurate to the best of Basekim's knowledge as of the date of issue. Users must determine suitability for their specific applications.