



## Material Safety Data Sheet (MSDS) for Grease

### 1. Product Identification:

- 1.1 Product Name: Industrial Grease
- 1.2 Chemical Name: Mixture of lubricating oils, thickeners, and additives
- 1.3 Product Code: GRS-123
- 1.4 Manufacturer's Name: XYZ Lubricants Co.
- 1.5 Address: 123 Main Street, Cityville, State, Country
- 1.6 Emergency Contact: 24-Hour Emergency Hotline - 1-800-123-4567

### 2. Composition/Information on Ingredients:

- 2.1 Component 1: Lubricating oils (40-60%)
- 2.2 Component 2: Thickeners (20-30%)
- 2.3 Component 3: Additives (10-20%)

### 3. Hazards Identification:

- 3.1 Classification: Not classified as hazardous under standard regulations.
- 3.2 Potential Health Effects:
  - 3.2.1 Eye Contact: May cause mild irritation. Flush eyes with water for at least 15 minutes, and seek medical attention if irritation persists.
  - 3.2.2 Skin Contact: Prolonged or repeated exposure may cause skin irritation. Wash affected area with soap and water.
  - 3.2.3 Inhalation: Inhalation of vapors or mists may cause respiratory irritation. Move to fresh air. If breathing difficulties persist, seek medical attention.
  - 3.2.4 Ingestion: Ingestion is unlikely. If ingested, seek medical attention immediately. Do not induce vomiting.

### 4. First Aid Measures:

- 4.1 Eye Contact: Flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
- 4.2 Skin Contact: Wash affected area with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.
- 4.3 Inhalation: Move to fresh air. If breathing difficulties persist, seek medical attention.
- 4.4 Ingestion: Seek medical attention immediately. Do not induce vomiting.



## **5. Fire-fighting Measures:**

- 5.1 Suitable Extinguishing Media: Use water spray, foam, dry chemical, or carbon dioxide.
- 5.2 Specific Hazards: May emit toxic fumes under fire conditions.
- 5.3 Protective Equipment: Wear appropriate protective clothing and self-contained breathing apparatus.

## **6. Accidental Release Measures:**

- 6.1 Personal Precautions: Wear appropriate protective equipment. Avoid contact with skin and eyes.
- 6.2 Environmental Precautions: Prevent product from entering drains or water sources.
- 6.3 Cleanup Procedures: Absorb spilled material with inert absorbent. Scoop into containers for disposal.

## **7. Handling and Storage:**

- 7.1 Handling: Avoid prolonged or repeated skin contact. Avoid inhalation of vapors or mists. Use in well-ventilated areas.
- 7.2 Storage: Store in a cool, dry place away from direct sunlight and incompatible materials.

## **8. Exposure Controls/Personal Protection:**

- 8.1 Eye Protection: Safety glasses or goggles.
- 8.2 Skin Protection: Wear protective gloves.
- 8.3 Respiratory Protection: Use adequate ventilation. In case of inadequate ventilation, wear respiratory protection.

## **9. Physical and Chemical Properties:**

- 9.1 Appearance: Smooth, homogenous substance
- 9.2 Odor: Characteristic
- 9.3 Melting Point/Freezing Point: Not applicable
- 9.4 Boiling Point: >300°C (>572°F)
- 9.5 Flash Point: >200°C (>392°F)
- 9.6 Solubility in Water: Insoluble

## **10. Stability and Reactivity:**

- 10.1 Stability: Stable under normal conditions.
- 10.2 Incompatibility: Avoid contact with strong acids and bases.
- 10.3 Hazardous Decomposition Products: May emit toxic fumes under fire conditions.



## **11. Toxicological Information:**

11.1 Acute Toxicity: LD50 > 2000 mg/kg (oral, rat)

## **12. Ecological Information:**

12.1 Ecotoxicity: Low environmental hazard. Avoid release into the environment.

## **13. Disposal Considerations:**

13.1 Dispose of in accordance with local, state, and federal regulations.

## **14. Transport Information:**

14.1 Not regulated for transport.

## **15. Regulatory Information:**

15.1 This product is in compliance with relevant regulations.

## **16. Other Information:**

16.1 This MSDS is intended to provide a summary of the properties and potential hazards of the product. It is not intended to be comprehensive. Users should ensure that they have all relevant information before handling the product.

