Material Safety Data Sheet
(MSDS)

Applicant: Guangdong Zhongmin Technology Innovation CO., LTD.
Address: Industrial Road No.1 Block C, Paisha Community, Longjiang Town, Shunde District, Foshan city

Sample name: Grease
Issue date: August 10th,2025

Test Requested: As specified by the client, This safety data sheet was prepared in accordance with UN GHS Rev.9, The EU CLP REGULATION (EC) No 1272/2008. Please refer to the attached report for details.

Section 1: Chemical Product and Company Identification

English Name: LUBRATEX SYNTHETIC GREASE

Product Description: Formulated from lithium soap thickened mineral oil, with the addition of various additives such as antioxidants, corrosion inhibitors, and anti-wear agents.
Recommended Applications and Usage Restrictions: Suitable for lubrication and protection of precision components in linear actuators, ball screws, electrical equipment, precision machinery, and office equipment;
suitable for lubrication of plastic/plastic, metal/metal, or plastic/metal friction components;
and suitable for lubrication and protection of mechanical components with high requirements for high/low temperature performance, lubricity, and long service life.

Company Name: Guangzhou Biaobang Car Care Industry Co., Ltd
Manufacturer: Guangzhou Biaobang Car Care Industry Co., Ltd
Address: No. 2 Chuangye East Road, Zhongxin Town, Zengcheng District, Guangzhou City
Email Address: bbzm@biaobang.cn
Postal Code: 511365
Product Code: B-4291
Version: 2024
Emergency Phone (Country/Region Code) (Area Code) (Phone Number): 020-32968488, 020-32968498
Fax Number (Country/Region Code) (Area Code) (Phone Number): 020-32968800

Section 2: Hazards Identification

Hazard category: Not applicable
GHS hazard category: Not hazardous
Hazard labels: Physical hazards: Not classified as a hazardous substance according to GHS standards.

Health hazards: Not classified as a health hazard substance according to GHS standards.
Environmental hazards: Not classified as an environmental hazard substance according to GHS standards.

Other hazards not affecting classification: Not classified as flammable, but may burn.
Main symptoms and emergency overview: Based on animal testing, no compelling evidence has been found to indicate that this product is carcinogenic. Under normal circumstances, this product does not pose a health hazard. However, excessive exposure may cause irritation to the eyes, skin, or respiratory system. Inadequate cleaning may block skin pores, leading to conditions such as oily acne or folliculitis. Used oil may contain harmful impurities.

Section 3: Composition/Information on Ingredients

Ingredient	Concentration (%)	CAS No.
Base oil	20-30	8002-05-9
Composite lithium-based grease	8-15	7620-77-1
Chlorinated paraffin CP45	20-30	63449-39-8
Polar additives	25-35	---

Section 4: First Aid Measures

Skin Contact: Remove contaminated clothing and rinse skin thoroughly with soap and water.
Eye Contact: Lift eyelids and flush with running water or saline for at least 15 minutes. Seek medical attention.
Ingestion: Drink plenty of water and seek medical attention.
Inhalation: Move to fresh air. If breathing is difficult, administer oxygen and seek medical attention.

Section 5: Fire Fighting Measures

Flammability: Flammable
Flash point (open cup), °C: Not applicable
Ignition temperature: Open flame
Upper explosive limit: Not applicable
Lower explosive limit: Not applicable
Hazardous properties: None
Fire extinguishing agents: Carbon dioxide, dry powder, or foam. Do not use a water jet directly to extinguish the fire.
Special extinguishing procedures and equipment: Determine whether to isolate the area according to the local emergency plan.
Harmful combustion products: Carbon monoxide, carbon dioxide, and trace amounts of unburned carbon compounds.
Prohibited extinguishing agents: Water

Section 6: Accidental Release Measures

Emergency Action: Cut off ignition sources, block the leak, and prevent runoff into sewers, drains, or other confined spaces. Use sand or other non-flammable materials to absorb or contain the spill.

Section 7: Handling and Storage

Operational precautions: Avoid repeated or prolonged contact with this type of product. It is recommended to establish a good ventilation system and maintain good personal hygiene.

Storage precautions:
Store in a cool, well-ventilated place, ensure that the container is tightly closed, and handle with care.
Do not store, open, or use near open flames, heat sources, or ignition sources.
This product accumulates static electricity, which may cause sparks.
Do not pressurize, cut, heat, or weld the container.

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits: None
Personal protective measures: Avoid contact with skin and eyes. Use impervious gloves (such as those made of polyvinyl chloride)
to prevent repeated or prolonged skin contact with oil products. Change contaminated clothing and wash it before reuse.

Section 9: Physical and Chemical Properties

Appearance: Smooth, uniform paste
Color: ProMAX Green (proprietory)
Odor: Distinctive odor
Acid value, mgKOH/g: Not applicable
Water solubility: Insoluble in water
Flash point: Not applicable
Relative density (20°C): 0.88–0.95

Section 10: Stability and Reactivity

Stability: stable
Polymerization hazard: generally not polymerized
Conditions to avoid contact: none
Prohibited substances: strong oxidant
Decomposition products: generally not decomposed

Section 11: Toxicological Information

Health effects:
Acute oral toxicity test (single maximum dose test): LD50 for both female and male mice was greater than 2000 mg/kg, indicating that it is practically non-toxic.
Acute inhalation toxicity test (single maximum dose test): LC50 for both female and male mice was greater than 5 mg/l, indicating that it is practically non-toxic.

Section 12: Ecological data

Water solubility and ecological toxicity: Long-term penetration may cause ecological toxicity.
Mobility: When the product is discharged into the environment, it may affect soil, etc.
Residuary and degradability: Biological degradation can be expected.
Possibility of accumulation in living organisms: The product is basically insoluble in water, so the possibility of absorption by aquatic organisms is very low.
Bioaccumulation: This product does not accumulate in animals or plants.

Section 13: Disposal Considerations

Disposal: Must be disposed of in accordance with national and local regulations.
Unused product: Recyclable.
Used/contaminated product: To be disposed of by a waste contractor licensed by the national and local governments.
Packaging: Must be disposed of by a waste contractor.
Precautions when disposing: Please use personal protective equipment (safety glasses, protective gloves, protective masks, etc.).

Section 14: Transport Information

Dangerous Goods Number: Non-dangerous goods
UN Number: None
International Maritime Dangerous Goods Code (IMDG): Non-dangerous goods
Classification for Air transport (IATA/ICAO)： Not regulated for transport according to 66th Edition DGR of IATA2025.

Section 15: Regulatory Information

National government regulations: Relevant regulations such as the Environmental Protection Law of the People's Republic of China and the Water Pollution Prevention and Control Law of the People's Republic of China
Local government regulations: Relevant regulations of local governments.

Section 16: Regulatory Temperature Ranges

Operating temperature range of -40°C to 120°C and a dropping point of 180°C

Section 17: Other Information

Release Date: August 10th, 2025
Drafting department: R&D department of Technology Center
Data audit unit: Guangzhou Biaobang Car Care Industry Co., Ltd

End of MSDS