INDUSTRIAL OIL

# Premium Chassis Grease

Safety Data Sheet

## 1. IDENTIFICATION OF THE PRODUCT AND COMPANY

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| **Product name** | Premium Chassis Grease |
| **Recommended use** | Lubricating grease |
| **Restrictions on use** | Use only for the purposes stated on the label and technical data sheet. |
| **Supplier** | Motoforce Lubricants, 404 Time Square, Ayodhya Chowk, Opp. Synergy Hospital, 150 ft Ring Road, Rajkot, Gujarat 360006, India |
| **Telephone / e-mail** | +91 88665 87735 · motoforcelub@gmail.com |
| **Emergency telephone** | +91 88665 87735 (business hours) · National emergency: 112 |

## 2. HAZARDS IDENTIFICATION

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| **GHS classification** | Not classified as hazardous according to GHS criteria. |
| **Pictograms** | None required |
| **Signal word** | None |

**Hazard statements**

- None required.

**Precautionary statements**

- P102 Keep out of reach of children.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.
- P501 Dispose of contents and container through an authorised waste handler.

**Other hazards:** High-pressure injection under the skin (e.g. from grease guns) may cause serious injury.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS No. | Conc. (% w/w) |
|---|---|---|
| Highly refined mineral base oils (DMSO extract < 3%, IP 346) | 64742-54-7 / 64742-65-0 | **75 – 90** |
| Lithium 12-hydroxystearate (thickener) | 7620-77-1 | **5 – 15** |
| Anti-oxidant, anti-wear and anti-rust additives | Proprietary mixture | **1 – 5** |

## 4. FIRST-AID MEASURES

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| **Inhalation** | Move to fresh air if oil mist or vapour from heated product causes discomfort. Seek medical advice if symptoms persist. |
| **Skin contact** | Remove contaminated clothing. Wash skin with soap and water. High-pressure injection injuries require immediate medical attention even if the wound appears minor. |
| **Eye contact** | Rinse cautiously with plenty of water for several minutes. Remove contact lenses if easy to do. Seek medical advice if irritation persists. |
| **Ingestion** | Rinse mouth with water. Do NOT induce vomiting. Seek medical advice. |
| **Notes to physician** | Treat symptomatically. Low acute toxicity is expected. |

## 5. FIRE-FIGHTING MEASURES

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| **Suitable media** | Foam, dry chemical powder, carbon dioxide ($CO_2$), water fog. |
| **Unsuitable media** | Do not use a direct water jet — it may spread the burning oil. |
| **Specific hazards** | Combustible liquid. Combustion produces smoke, carbon monoxide, carbon dioxide, and oxides of sulphur, phosphorus and zinc. |
| **Fire-fighter protection** | Wear self-contained breathing apparatus and full protective clothing. Cool exposed containers with water spray. |

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions: Spilled grease makes surfaces slippery. Wear gloves and safety footwear.
- Environmental precautions: Prevent entry into drains, soil and watercourses.
- Clean-up: Scrape up and place in a labelled container for disposal. Clean the residue with an absorbent and detergent.

## 7. HANDLING AND STORAGE

**Handling**

- Avoid prolonged or repeated contact with skin. Avoid breathing oil mist.
- Do not eat, drink or smoke while handling. Wash hands after use.
- Do not pressurise, cut, weld or grind empty containers — residues may ignite.

**Storage**

- Store in original, tightly closed containers in a cool, dry, well-ventilated area.
- Keep away from heat, sparks, open flames and strong oxidising agents.
- Store drums horizontally or covered to prevent water ingress. Recommended storage temperature 0–40 °C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits**

- Oil mist, mineral (highly refined): ACGIH TLV-TWA 5 mg/m$^3$ (inhalable fraction).

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| **Engineering controls** | General ventilation is usually adequate. Use local exhaust where oil mist is generated. |
| **Hand protection** | Nitrile or neoprene gloves for prolonged contact. |
| **Eye protection** | Safety glasses with side shields where splashing is possible. |
| **Skin / body** | Standard work clothing. Change oil-soaked clothing promptly. |
| **Respiratory** | Not normally required. Use an approved mist respirator if exposure limits may be exceeded. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| **Physical state / appearance** | Smooth, tacky grease |
| **NLGI Consistency Grade** | 2 |
| **Thickener Type** | Lithium soap |
| **Worked Penetration @ 25 °C (60 strokes)** | 265 – 295 0.1 mm |
| **Dropping Point** | ≥ 180 °C |
| **Base Oil Viscosity @ 40 °C** | 150 cSt |
| **Water Washout @ 79 °C** | ≤ 8 % wt |
| **Odour** | Mild petroleum odour |
| **Solubility in water** | Insoluble |
| **Flash point (base oil)** | > 200 °C (COC, typical) |
| **Vapour pressure** | < 0.1 kPa @ 20 °C |

## 10. STABILITY AND REACTIVITY

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| **Reactivity** | Not reactive under normal conditions. |

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| **Chemical stability** | Stable under recommended storage and handling conditions. |
| **Conditions to avoid** | Excessive heat, open flames and ignition sources. |
| **Incompatible materials** | Strong oxidising agents. |
| **Hazardous decomposition** | Carbon oxides, sulphur oxides and other irritating fumes on combustion. |

## 11. TOXICOLOGICAL INFORMATION

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| **Acute toxicity** | Expected to be of low toxicity: oral LD50 > 5,000 mg/kg; dermal LD50 > 2,000 mg/kg (rat/rabbit, based on components). |
| **Skin irritation** | Prolonged or repeated contact may cause dryness, defatting or dermatitis. |
| **Eye irritation** | May cause slight, transient irritation. |
| **Sensitisation** | Not expected to be a skin or respiratory sensitiser. |
| **Carcinogenicity** | Base oils contain < 3% DMSO extract (IP 346) and are not classified as carcinogenic. |
| **Used oil** | Used engine oil may contain harmful combustion by-products. Avoid skin contact with used oil. |

## 12. ECOLOGICAL INFORMATION

- Not readily biodegradable. Oil films on water can harm aquatic organisms and reduce oxygen transfer.
- Low water solubility; expected to partition to soil and sediment. Prevent entry into the environment.

## 13. DISPOSAL CONSIDERATIONS

- Dispose of used grease and contaminated material through an authorised waste handler in accordance with the Hazardous and Other Wastes Rules, 2016.
- Do not burn, bury or dispose of in drains.

## 14. TRANSPORT INFORMATION

Not classified as dangerous goods for transport by road (ADR), rail (RID), sea (IMDG) or air (IATA).

## 15. REGULATORY INFORMATION

- Classified according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).
- Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 (India).
- Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (India) — applicable to used oil.

## 16. OTHER INFORMATION

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| **Revision** | Rev. 01 — October 2026 |
| **Related documents** | Technical Data Sheet — Premium Chassis Grease |
| **Disclaimer** | The information in this MSDS is based on our present knowledge and is given in good faith. It describes the product with regard to safety requirements and does not constitute a guarantee of product properties. Users are responsible for complying with all applicable laws and regulations. Motoforce Lubricants accepts no liability for loss or damage arising from improper use of the product. |