



Material Safety Data Sheet
GIANT EP3 GREASE

Rev: 00
Date: 01/12/2025

Section 1: Chemical and Company Identification

Product Name/Identifier	GIANT EP3 GREASE
Company Information	Central Auto Parts and Equipment Limited 84 Armstrong Street, Palmerston North New Zealand
Emergency Telephone	(64) 6-3535200
Fax Number	(64) 6-3535201

Section 2: Hazards Identification

GHS CLASSIFICATION

Classification of the substance or mixture Classification (GHS):
This material is not hazardous according to regulatory guidelines.

GHS LABEL: Not required

Physical Hazard

Not Classified as a physical hazard under GHS Criteria.

Health Hazard

Not Classified as a health hazard under GHS Criteria

Swallowed	This is not expected to be a means of entry during routine operation. Ingestion of small quantities should not cause irritation.
Eye	May cause slight irritation to the eyes.
Skin	May be mildly irritating to the skin. High pressure injection through the skin, when using apparatus such as grease guns, can be highly irritating and may cause localised damage.
Inhaled	No data to indicate a toxic inhalation hazard. Inhalation of vapours or mist (generated at elevated temperatures) may cause irritation to the nose and throat.

Environmental Hazard

Not Classified as an environmental hazard under GHS Criteria

Other Hazards

Other Hazards which do not result in classification: Prolonged or repeated skin contact without proper cleaning can cause skin disorders.

Section 3: Compositions / Information on Ingredients

Chemical Entity	CAS#	Proportion
Residual Oils (Petroleum), Solvent Dewaxed	64742-62-7	30 – 60%
Distillates (Petroleum), Solvent Dewaxed Heavy Paraffinic	64742-65-0	30 – 60%
Distillates (Petroleum), Solvent Dewaxed Light Naphthenic	64742-64-9	< 10%
Glycerine (Tri-12-Hydroxy Stearate)	8001-78-3	< 10%
Lithium Hydroxide Monohydrate	1310-66-3	< 10%
Mixture of Octylated Diphenylamines	68921-45-9	< 10%
2-(2-Heptadec-8-enyl-2-imidazolin-1-yl) Ethanol	95-38-5	< 10%
Mixture of Sulphur and Phosphorus Compounds	-	< 10%
Zinc Dialkyl Dithiophosphate	68649-42-3	< 10%
Butene, Homopolymer	9003-29-6	< 10%
Borated Ester Complexing Agent	-	< 10%
Terpenes and Terpenoids (Alpha-Pinene Fraction, PolyMD)	-	< 10%
Mixture of Alkyl Mercaptothiadiazoles	-	< 10%
Mixture of Polyolefin Additive in Highly Refined Mineral Oil	-	< 10%
Automate Blue B (Anthraquinone Dye)	108-14-9	< 10%

Section 4: First Aid Measures

Swallowed	If a large quantity is ingested seek medical attention. It may be necessary to induce vomiting, taking extreme care that the person does not aspirate into the lungs. If aspiration occurs, urgent medical attention should be sought.
Eyes	Wash with copious amounts of water for 15 minutes and seek medical advice if irritation develops or persists.
Skin	Remove contaminated clothing and wash skin thoroughly with plenty of soap and water. High pressure injection through the skin requires urgent medical attention for possible incision, irrigation and/or debridement. Contact with molten material will require treatment by a physician for burns (Do not remove material).
Inhalation	Remove person to fresh air and seek medical advice. If not breathing, apply artificial respiration and seek urgent medical aid.
First Aid Facilities	Eye wash fountains and safety showers are recommended.
Advice to Doctor	Treat symptomatically.

Section 5: Fire Fighting Measures

Extinguishing Media

Appropriate Extinguishing Media : Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media : Water in jet.

Special Hazards

Not flammable under conditions of use. Is a combustible solid that will burn if pre-heated. Combustion produces oxides of carbon, nitrogen, sulphur, phosphorus and zinc.

Fire Fighting

Evacuate Area

Prevent run off from fire control or dilution from entering sewers, drinking water supply or any water bodies (Streams, lakes, sea).

Use Extinguishing Measures appropriate to local circumstances and the surrounding environment.

Use Standard Protective Equipment & Self-Contained Breathing Apparatus (SCBA) in enclosed spaces. Chemical Resistance Suit should be worn if contact with spilled material is expected.

Section 6: Accidental Release Measures

Notification Procedures

Spills are easily contained due to the nature of the product. Caution: The product may be slippery. The product should be shovelled into a metal drum and treated as a solid waste. Follow state or local regulations for the disposal of the waste. Clean area with soap and water. Do not allow product to enter drains, sewers or water courses – inform local authorities if this occurs.

Protective Measures

Avoid contact with spilled material. See Section 5 for fire-fighting information. See the Section 2 for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

For emergency responders: Respiratory protection: respiratory protection will be necessary only in special cases, e.g., formation of mists. Half-face or full-face respirator with filter(s) for dust/organic vapor or Self-Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to hydrocarbons are recommended. Gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

Spill Management

Land Spill: Eliminate source of ignition. Keep public away. Prevent additional discharge of material, if possible, to do so without hazard. Prevent spills from entering sewers, watercourses or low areas.

Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.

Environmental Precautions

Large Spills: Prevent entry into waterways, sewers, basements or confined areas.

Section 7: Handling and Storage

Classified as a combustible solid. Store in a well-ventilated area away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Do not store in plastic containers unless approved for this application.

Section 8: Exposure Controls / Personal Protection

Exposure Standards

If the material is subjected to high temperature operations and mists or vapours are generated the Manufacturer recommends:

Time Weighted Average (TWA): 5 mg/m³ (oil mist).

Short Term Exposure Limit (STEL): 10 mg/m³ (oil mist).

Engineering Controls

Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and localised exhaust ventilation should be provided to maintain airborne concentration levels below the Manufacturer recommended exposure standard.

Personal Protection

Respirator Type (AS1716)	During routine operation a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required.
Glove Type	PVC, Neoprene or Nitrile gloves are recommended.

Eye Protection	Safety glasses or goggles are recommended to avoid eye contact. If the material is used at elevated temperatures or under pressure a full-face shield should be worn.
Clothing	During normal operating procedures, long sleeved clothing is recommended to provide skin protection. Soiled clothing should be washed with detergent prior to re-use.

Section 9: Physical and Chemical Properties

General Information

Appearance	: Smooth, tacky blue grease
Relative Density	: 0.90 (typical)
Viscosity @ 40°C	: 220
Vapour Density	: Not available
Boiling Point, °C	: > 316
Flash Point COC, °C	: Min 200
Drop Point, °C	: > 290
Solubility in Water	: Negligible
Odour Threshold	: Not available

Section 10: Stability and Reactivity

Hazardous Decomposition Products:

Combustion produces oxides of carbon, nitrogen, sulphur, phosphorus and zinc.

Chemical Stability:

Stable.

Conditions to Avoid:

No data available.

Incompatibility with Other Materials:

May react with strong oxidizing agents

Hazardous Polymerization:

Polymerization will not occur.

Hazardous Decomposition:

Fumes, smoke, carbon monoxide and sulphur oxides in case of incomplete combustion.

Section 11: Toxicological Information

ORAL TOXICITY (RATS): Based upon testing of similar products and/or components, this material is considered to be relatively non-toxic with a LD50: > 2000 mg/Kg.

DERMAL TOXICITY (RABBITS): Based upon testing of similar products and/or components, this material is considered to be relatively non-toxic with a LD50: > 2000 mg/Kg.

EYE IRRITATION (RABBITS): Based upon testing of similar products and/or components, this material is considered to be relatively non-irritating with a Draize Score: Greater than 6, but less than 15.

SKIN IRRITATION (RABBITS): Based upon testing of similar products and/or components, this material is considered to be relatively non-irritating with a Primary Irritation Index: Greater than 0.5, but less than 3.

SUBCHRONIC TOXICITY (RATS): Based upon testing of similar products and/or components, this material is considered to show no adverse effects by dermal application to rats.

REPRODUCTIVE TOXICITY (RATS): Based upon testing of similar products and/or components, this material is considered to show no adverse effects in either the mothers or their offspring by dermal exposure of pregnant rats.

CHRONIC TOXICITY (MICE): Based upon testing of similar products and/or components, this material is considered to show no evidence of carcinogenic effects by chronic mouse skin painting studies.

SENSITISATION (GUINEA PIGS): Based upon testing of similar products and/or components, this material is considered to show no evidence of skin sensitisation to guinea pigs during studies.

Section 12: Ecological Information

Eco-Toxicity : This product is not expected to be harmful to aquatic organisms.
Mobility : Low solubility, floats, migrates from water and partitions to sediments and wastewaters solids.
Biodegradability : Not readily biodegradable – may present environmental risk when spillage occurs.

Section 13: Disposal Considerations

It is the responsibility of the user of the products to determine, at the time of disposal whether the product meets criteria for hazardous wastes. Product uses, transformations, mixture and processes, may render the resulting material hazardous.

Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact our sales representative or local environmental or health authorities for approved disposal or recycling methods.

Disposal Recommendations

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Protect the environment. Dispose of used grease at designated sites. Minimize skin contact.

Empty Container Warning

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Section 14: Transport Information

14.1

UN Number : Not applicable
Dangerous Good Class : Not applicable
Proper Shipping Name : Not applicable
Hazchem Code : Not applicable
Additional Information : None determined

14.2 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.3 Transport IMDG

The product is not subject to IMDG regulations.

14.4 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Local Regulations

Workplace Safety and Health Act & Workplace Safety and Health (General Provision) Regulations	This product is not subject to control under this Act/ Regulation.
Fire Safety Act and Fire Safety (Petroleum & Flammable Materials) Regulations	
Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives) Regulations	
Environmental Protection and Management Act and Environmental Protection and Management (Hazardous Substances) Regulations	

Section 16: Other Information

Department Issuing Data Sheet	: Central Auto Parts & Equipment Limited
Original Issue Date	: 01 December 2025
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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our products must take responsibility for observing existing laws and regulations.