

# GEAR LUBE OILS

## SAFETY DATA SHEET

MSDS No: Product Name: Manufacturers Code:	GEAR LUBE OILS GL100, GL150, GL220, GL320, GL460, GL680	<b>QUICK SMART PRODUCTS</b> <b>53 ASSEMBLY DRIVE</b> <b>TULLAMARINE VIC 3043</b> ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Date:	September 2020	

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	GEAR LUBE OILS
<b>Company Name</b>	QUICK SMART PRODUCTS
<b>Address</b>	53 Assembly Drive Tullamarine Vic 3043
<b>Telephone/Fax</b>	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) (03) 9336 7945 (AH)
<b>Recommended Use</b>	Gear Box Lubricants

### 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	Not hazardous
<b>Dangerous Goods Classification</b>	Not Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
<b>GHS Label Elements</b>	
<b>Signal Word</b>	Not Applicable
<b>Symbol(s)</b>	Not Applicable
<b>Hazard Statements</b>	Not Applicable
<b>Precautionary Statements</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Other Hazards which do not result in classification</b>	People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Proportion
A blend of severely solvent refined base oils with a proprietary performance additives at sufficiently low levels as to not require hazardous classification.	-	VHIGH > 60%
Ingredient determined not to be hazardous	-	Balance

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#### 4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

##### *Description of necessary measures according to routes of exposure*

<b>Ingestion</b>	Do NOT induce vomiting. Rinse out mouth thoroughly with water. If vomiting occurs, lean patient forward or place on left side (head down position, if possible) to maintain open airway and prevent aspiration. If irritation develops or persists or vomiting has occurred after ingestion, seek medical assistance.
<b>Eye</b>	If in eyes, hold eyelid open and flush the eye immediately with large amounts of clean running water. Continue flushing for at least 15 minutes or until advised to stop by a Doctor. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. After flushing, if irritation develops or persists, seek medical assistance.
<b>Skin</b>	If skin or hair contact has occurred remove any contaminated clothing and footwear, wash contaminated skin or hair thoroughly with soap and clean water. If irritation develops or persists, seek medical assistance.
<b>Inhalation</b>	If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops or persists, consult a Doctor.
<b>Protection for First Aiders</b>	No personnel shall place themselves in a situation that is potentially hazardous to themselves. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.
<b>First Aid Facilities</b>	Eye wash fountain and safety showers are recommended in the area where the product is used.

##### **Most Important Symptoms & Effects, Both Acute & Delayed Caused by Exposure**

<b>Acute</b>	Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Ingestion may lead to nausea and diarrhoea. Eye contact may lead to localised burning, redness and tearing. Skin contact may lead to redness or itching.
<b>Chronic</b>	Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis.

##### **Indication of an Immediate Medical Attention and Special Treatment Necessary**

<b>Advice to Doctor</b>	Treat symptomatically. If vomiting as occurred after ingestion, the patient should be monitored for adverse effects to ensure that the product has not aspirated into the lungs.
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#### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing media appropriate for surrounding fire. Cooling by water mist or water fog. Extinguishing by foam, CO <sub>2</sub> (carbon dioxide) or dry agent (dry chemical powder).
<b>Unsuitable Extinguishing Media</b>	Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residue. Product will float on water.

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### Special Hazards Arising from the Substance or Mixture

**Combustion Hazards** Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

### Advice for Firefighters

**Flammability Conditions** This product is non flammable under conditions of use. Product is classified as a Class 2 Combustible Liquid according to AS1940.

**Explosion** No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

**Personal Protective Equipment** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes.

**Precautions in Connection with Fire** Water spray may be used to cool down heat exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Response Procedure** Avoid accidents, clean up immediately. Slippery when spilled. Evacuate personnel to safe areas. Eliminate all sources of ignition if safe to do so. Avoid contact with eyes and skin. Increase ventilation. Use clean, non-sparking tools and equipment.

**Personal Protection** Wear personal protective equipment and clothing to prevent exposure. Wear gloves, glasses/goggles, boots and full length clothing. If mists of vapour are generated, an approved organic vapour/particulate respirator is required. Refer Section 8 for more detailed information on Personal Protection Equipment.

**Control Measures** Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. CAUTION: The spilled product will be slippery. Avoid contact with the spilled material.

**Emergency Procedures** In the event of spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

### Environmental Precautions

**Spill Advice** Do not allow this product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs.

### Methods and Materials for Containment and Cleaning Up

**Containment** Cordon off the spillage area. Isolate the source of the spillage or leak if safe to do so. Contain the spill and absorb with a proprietary absorbent material, sand or earth. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

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**Cleaning Procedures** Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsing to enter drains, surface water, sewers or water courses.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles, and full-length clothing. Avoid inhalation of vapours and mists. Use only in a well ventilated area. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Workers should follow good personal hygiene practices such as washing hands prior to eating, drinking, smoking or using the toilet facilities. Keep containers sealed when not in use.

**Conditions for Safe Storage** Classified as a Class C2 (Combustible Liquid) for the purpose of storage and handling, in accordance with the requirements of AS1940. Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs and clothing. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Occupational Exposure Limits** Exposure standards for the product have not been established. However, in the operation of certain equipment or at elevated temperatures, if oil mists or aerosols are generated the following Exposure Standard should be observed:  
TWA: 5mg/m<sup>3</sup>  
STEL: 10mg/m<sup>3</sup> (ACGI)

**Biological Monitoring** No data available.

**Engineering Controls** Special ventilation is not normally required when using this product at normal temperatures. However, in the operation of certain equipment, at elevated temperatures or in confined spaces, mist or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard and at an acceptable level that does not cause irritation.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

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<b>Eye Protection</b>	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 – Occupational Protective Gloves – Selection, Use and Maintenance.
<b>Body Protection</b>	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant plastic apron is recommended where large quantities are handled.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Brown oil liquid
<b>Odour</b>	Petroleum odour
<b>Density</b>	@ 15°C 0.878Kg/L
<b>pH</b>	No data available
<b>Melting Point</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash Point</b>	204°C (PMP)
<b>Flammability Limits</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Solubility</b>	Insoluble in water
<b>Reactivity</b>	Reacts with oxidising agents
<b>Kinematic</b>	32.0mm <sup>2</sup> /S @ 40°C
<b>Viscosity</b>	5.4mm <sup>2</sup> /S @ 100°C
<b>Partition Co-efficient</b>	No data available for n-octanol/water
<b>Auto-ignition Temp</b>	No data available
<b>Decomposition Temp</b>	No data available

### 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data available for this product. Refer to Conditions to Avoid and Incompatible Materials.
<b>Chemical Stability</b>	Stable under recommended storage and handling conditions.
<b>Conditions to Avoid</b>	Avoid sources of ignition, heat, open flames or direct sunlight.
<b>Incompatible Materials</b>	Strong acids or strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced. See Section 5 Combustion Hazards.

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**Hazardous Polymerization** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicity data is available for this specific product.
<b>Ingestion</b>	During normal usage ingestion should not be a means of exposure. If accidental ingestion occurs symptoms may include nausea, vomiting and diarrhoea.
<b>Eye</b>	May be mildly irritating to the eyes if accidental eye contact occurs. Symptoms may include stinging, redness and tearing. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.
<b>Skin</b>	May be mildly irritating to the skin. Symptoms may include redness or itching. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.
<b>Inhalation</b>	Under normal conditions of use this product is not expected to be an inhalation hazard. Inhalation of product vapours at high operating temperatures may cause irritation of the nose, throat and respiratory system.
<b>Respiratory or Skin Sensitisation</b>	This product is not expected to be a skin sensitiser or a respiratory tract sensitiser.
<b>Mutagenicity</b>	No known significant effects or critical hazards
<b>Carcinogenicity</b>	No known significant effects or critical hazards
<b>Reproductive Toxicity</b>	No known significant effects or critical hazards
<b>Aspiration Hazard</b>	This product is not expected to be an aspiration hazard. If vomiting has occurred after ingestion, the patient should be monitored for adverse effects.
<b>Other Information</b>	Used oils may contain harmful impurities that can accumulate during usage. Due to the use of oils in different types of equipment the types of impurities that accumulate during its usage are unknown. Therefore, all used oils should be handled with caution and skin contact should be avoided by wearing suitable gloves, such as those made of nitrile rubber.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available for this product as a whole.
<b>Persistence/ Degradability</b>	No data available for this product.
<b>Bioaccumulative Potential</b>	No information is available on bioaccumulation for this product.
<b>Mobility</b>	Floats on water. If it enters soil, it is expected that it will absorb onto soil particles and will not be mobile.
<b>Environmental Effects</b>	Do not discharge this product into waterways, drains or sewers. Product will float on water. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

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### 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### 14. TRANSPORT INFORMATION

#### Transport Regulations

Not classified as dangerous for transport (ADG, IMDG, IATA)

### 15. REGULATORY INFORMATION

**SUSMP** A poison schedule has not been allocated for this product.

**AICS (Australia)** All ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

### 16. OTHER INFORMATION

**Contact Person/Point** Technical Information: (03) 9338 6655.

**Date of Preparation or last revision of SDS** SDS reviewed: 3 September 2020

#### Abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>GHS</b>	Globally Harmonised System of Classification and Labelling
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters which gives information to emergency services
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>mg/m<sup>3</sup></b>	Milligrams per Cubic Metre
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>ppm</b>	Parts Per Million
<b>STEL</b>	Short Term Exposure Limit
<b>SDS</b>	Safety Data Sheet
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons
<b>TWA</b>	Time Weighted Average

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*This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

END OF SDS