

Quicksilver Premium Gear Lube

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date:10/11/2011

Supersedes: 24/11/2010

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Quicksilver Premium Gear Lube
Product code : 92-858058Q01; 92-858059Q01; 92-858061Q01; 92-858062Q01; 92-802844Q02;
92-802891Q02; 92-858007Q01
Synonyms : Premium Gear oil
Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/preparation : Marine and Watercraft Applications

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Mercury Marine
41-71 Bessemer Drive Dandenong South Vic
Australia
3175
+61 3 9791 5822

1.4. Emergency telephone number

Emergency number : Chemtrec Australia (Sydney) +(61) 290372994 (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 H412

Full text of H-phrases: see section 16.

Adverse physicochemical, human health and environmental effects

In case of large spills the product may be hazardous to aquatic organisms due to possible formation of a film on the surface water which can diminish dissolved oxygen levels. Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP) : P273 - Avoid release to the environment
P501 - Dispose of contents/container to hazardous or special waste collection point.
EUH phrases : EUH208 - Contains Olefin sulfide, Phosphoric acid esters/amine salt, Aryl amine. May produce an allergic reaction

2.3. Other hazards

other hazards which do not result in classification : Spills of this product present a serious slipping hazard.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
2,6-di-tertiary-butyl phenol	(CAS No.) 128-39-2 (EC no) 204-884-0	0.1-0.5	N; R50/53

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,6-di-tertiary-butyl phenol	(CAS No.) 128-39-2 (EC no) 204-884-0	0.1-0.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air. Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- First-aid measures after skin contact : Contact burns from hot or very cold materials should be flooded with cool low pressure water for 15 minutes. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Seek medical attention if ill effect or irritation develops. Discard contaminated leather articles. Wash contaminated clothing before reuse. If material is injected under the skin, seek medical attention immediately.
- First-aid measures after eye contact : Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Inhalation of mists or vapours at elevated temperatures may cause respiratory irritation.
- Symptoms/injuries after skin contact : Repeated exposure may cause skin dryness or cracking. Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage. Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
- Symptoms/injuries after eye contact : Slightly irritating to eyes.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. and laxative action.

4.3. Indication of any immediate medical attention and special treatment needed

Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media: : carbon dioxide (CO₂), dry chemical powder, foam. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Ensure adequate ventilation, especially in confined areas.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Vapours may cause fire/explosion if source of ignition is present. Toxic vapours may be released. Mist or spray may burn at temperature below flash point. Do not use a water jet since it may cause the fire to spread.
- Explosion hazard : Risk of explosion if heated in a confined system.
- Reactivity : Hazardous combustion products. Carbon dioxide (CO₂). Carbon monoxide. hydrocarbons. carbon oxides. Sulfur oxides. Nitrogen oxides (NO_x).

5.3. Advice for firefighters

- Protective equipment for firefighters : Extra personal protection: complete protective clothing including self-contained breathing apparatus. Refer to section 8.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Refer to section 8.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Refer to section 8. In case of fire: Wear self-contained breathing apparatus.
- Emergency procedures : High slip hazard because of leaking or spilled product. Use care in walking on spilled material.

6.2. Environmental precautions

Do not discharge into surface water. Relevant water authorities should be notified of any large spillage to water course or drain.

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6.3. Methods and material for containment and cleaning up

- For containment : Stop leak if safe to do so. The final disposal of this material should be supervised by a specialist, following applicable environmental legislation. Clean up any spills as soon as possible, using an absorbent material to collect it.
- Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Do not empty into drains or the aquatic environment. Minimize water use for cleaning.
- Other information : Comply with local regulations for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Store in tightly closed, properly ventilated containers away from heat, sparks, open flame. Do not pipette liquid using a mouth pipette. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety procedures. Keep away from clothing as well as other incompatible materials. Wash hands thoroughly after handling. Use only non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

- Storage condition(s) : Keep container tightly closed in a cool, well-ventilated place. Only use containers approved for especially this product. Protect from sunlight. Protect containers against damage. Store at room temperature.
- Incompatible materials : Oxidizing agents.
- Storage area : Do not store near oxidizing agents. Store according to local legislation.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Australia	MAC TGG 8H (mg/m ³)	5 mg/m ³ Oil Mist
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8.2. Exposure controls

- Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment : Gloves. Protective clothing. Safety glasses.
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- Hand protection : For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils. Heat resistant gloves.
- Eye protection : safety glasses with side-shields. Use splash goggles when eye contact due to splashing is possible. Emergency eye wash fountain with clean water. Wear goggles and face shield when handling material at elevated temperatures.
- Skin and body protection : Wear suitable protective clothing or Rubber apron. Take off contaminated clothing and wash before reuse. Wear heat protective boots and protective clothings when handling material at elevated temperatures. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleansers.
- Respiratory protection : With correct and proper use, and under normal conditions, breathing protection is not required. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Dark amber
- Odour : petroleum-like odour.
- Odour threshold : No data available

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pH	: Not applicable
Melting point	: No data available
Solidification point	: No data available
Boiling point	: No data available
Flash point	: 180 °C Closed cup (Minimum Pensky-Martens)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: < 1 mm Hg @ 20°C
Relative vapour density at 20 °C	: > 1 (Air = 1)
Relative density	: 0.89 g/cm ³
Density	: 889.4 kg/m ³
Solubility	: Water: Negligible.
Log Pow	: No data available
Log Kow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 157 cSt (at 40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content : Negligible.

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous combustion products. Carbon dioxide (CO₂). Carbon monoxide. hydrocarbons. carbon oxides. Sulfur oxides. Nitrogen oxides (NO_x).

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

No flames, No sparks. Eliminate all sources of ignition. Strong oxidizing agents. avoid heat source.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

carbon oxides. nitrogen oxides (NO_x) and sulphur oxides. hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

2,6-di-tertiary-butyl phenol	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

2,6-Di-tert-butylphenol (128-39-2)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	10000 mg/kg
ATE (dermal)	10000 mg/kg

Skin corrosion/irritation : Not classified
pH: Not applicable

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Serious eye damage/irritation	: Not classified pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: May produce skin irritation. Repeated exposure may cause skin dryness or cracking. Inhalation of mists or vapours at elevated temperatures may cause respiratory irritation. Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : In case of large spills the product may be hazardous to aquatic organisms due to possible formation of a film on the surface water which can diminish dissolved oxygen levels.

2,6-Di-tert-butylphenol (128-39-2)

EC50 Daphnia 1	0.45 mg/l 48 hours- daphnia
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

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Ecology - soil	Do not allow to enter into soil/subsoil.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations. Dispose of this material and its container to hazardous or special waste collection point. Dispose of materials or solid residues at an authorized site.

Waste disposal recommendations : Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. Handle empty containers with care because residual vapours are flammable. Do not pressurize, cut, weld, braze solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.

SECTION 14: Transport information

Not a dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH candidate substance

VOC content : Negligible.

Other regulations, restrictions and prohibition regulations : Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 67/548/EEC as amended. Directive 1999/45/EC as amended.

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15.1.2. National regulations

Regional legislation : National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)].

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Sources of Key data : MSDS.
Abbreviations and acronyms : ASTM - American Society for Testing and Materials . CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EC - European Community. EEC - European Economic Community. GHS - Globally Harmonised System. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. SDS - Safety Data Sheet.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Sens. 1	Skin sensitisation Category 1
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.