

# Quicksilver Low Phosphorus Synthetic Motor Oil, SAE 20W-40

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 21/09/2011

Supersedes: 01/12/2010

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 Low Phosphorus Synthetic Motor Oil, SAE 20W-40  
Product code : 625678316; 92-881143; 92-858088K01  
Synonyms : Mercury Full-Synthetic MerCruiser Engine 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]

Not classified

##### 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]

No labelling applicable

#### 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

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

### 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 : In the case of contact with hot liquefied material treat skin with: Clean contaminated surfaces with an excess of water. Seek medical advice. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation persists, seek medical attention. Wash contaminated clothing prior to re-use. Discard contaminated leather articles. 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.

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First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth immediately and drink large quantities of water. 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 : Slightly irritating to skin. Heated product causes burns. Prolonged/repetitive skin contact may cause skin defatting or dermatitis. Repeated exposure may cause skin dryness or cracking. Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage.  
Symptoms/injuries after eye contact : Slightly irritating to eyes.  
Symptoms/injuries after ingestion : ingestion of large amounts may produce gastrointestinal disturbances. 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 (CO<sub>2</sub>), 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 : Material will burn at high temperatures. The product is not easily ignited. Vapours may cause fire/explosion if source of ignition is present. Mist or spray may burn at temperature below flash point.  
Explosion hazard : Risk of explosion if heated in a confined system.  
Reactivity : Hazardous combustion products. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. hydrocarbons. sulphur oxides. Zinc. Phosphorus compounds. Nitrogen oxides (NO<sub>x</sub>). Hydrogen sulfide.

### 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.

### 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 : Do not pressurize, cut, weld, braze solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleansers.

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### 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. Do not store near oxidizing agents. Protect from sunlight. Protect containers against damage.
Incompatible materials	: Oxidizing agents, strong.
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

No additional information available

### 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.



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. Take off contaminated clothing and wash before reuse. Discard contaminated leather articles. 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.
Consumer exposure controls	: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleansers.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: amber.
Odour	: Light odour of petroleum.
Odour threshold	: No data available
pH	: Not applicable
Melting point	: No data available
Solidification point	: No data available
Boiling point	: No data available
Flash point	: 190 °C Closed cup (Pensky-Martens)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: < 0.1 hPa @ 20°C
Relative vapour density at 20 °C	: > 1 (Air = 1)
Relative density	: 0.863 g/cm <sup>3</sup>
Density	: 863 kg/m <sup>3</sup> Lbs/gal.
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	: No data available

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Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

VOC content	: Negligible.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hazardous combustion products. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. hydrocarbons. sulphur oxides. Zinc. Phosphorus compounds. Nitrogen oxides (NO<sub>x</sub>). Hydrogen sulfide.

### 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 monoxide. Nitrogen oxides (NO<sub>x</sub>). carbon dioxide (CO<sub>2</sub>). hydrocarbons. Sulfur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: Not applicable
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	: 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.
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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

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

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### 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.

##### 15.1.2. National regulations

Other regulations, restrictions and prohibition regulations : National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)]; Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003 (1995)].

#### 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.

*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.*