Quicksilver Synthetic Blend 4-Cycle Sterndrive & Inboard Engine Oil, SAE 25W-40

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 10/05/2011 : Version: 0.0

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

1.1. Product identifier

Product form : Mixture

Trade name : Quicksilver Synthetic Blend 4-Cycle Sterndrive & Inboard Engine Oil, SAE 25W-40

Product code : 625676316; 92-858000; 92-858052Q01; 92-858053Q01; 92-858054Q01; 92-858055Q01

Synonyms : Motor oil

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

Classification according to Directive 67/548/EEC or 1999/45/EC

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.

2.2. Label elements

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

EUH phrases :

EUH210 - Safety data sheet available on request

2.3. Other hazards

other hazards which do not result in classification : The hot liquid may cause severe skin burns. Spills of this product present a serious slipping hazard. Repeated or prolonged skin contact may cause dermatitis and defatting. Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Zinc alkyl dithiophosphate	(CAS No.) 68649-42-3 (EC no) 272-028-3	0.604 - 1.19592	Xn; R22

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc alkyl dithiophosphate	(CAS No.) 68649-42-3 (EC no) 272-028-3	0.604 - 1.19592	Acute Tox. 4 (Oral), H302

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 : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. In case of excessive inhalation of fumes move the person to fresh air.

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 : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if ill effect or irritation develops.

First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Do not give an unconscious person anything to drink. Seek medical attention immediately.

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 : May cause slight temporary irritation. The hot liquid may cause severe skin burns. Repeated or prolonged skin contact may cause dermatitis and defatting.

Symptoms/injuries after eye contact : May cause slight temporary irritation. Symptoms can include redness, pain, and tearing.

Symptoms/injuries after ingestion : Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances including a 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. Aspiration is not expected with this material due to the viscosity (thickness) of this mixture.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: : carbon dioxide (CO_2), dry chemical powder, foam. Water fog. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Material will burn but does not easily ignite. Mist or spray may burn at temperature below flash point. On combustion forms: Carbon dioxide. Carbon monoxide. hydrocarbons. Nitrogen oxides (NOx). Phosphorus oxides. Sulfur oxides. Zinc oxide.

Explosion hazard : Exposed to ignition source, vapours can burn in open / explode if confined. Risk of explosion if heated in a confined system. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

Reactivity : None known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Risk of explosion if heated under confinement. At or above flash point, vapours present may burn in open or explode if confined when mixed with air and exposed to ignition source.

Protective equipment for firefighters : In case of fire: Wear self-contained breathing apparatus. Wear proper protective equipment. 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.

Emergency procedures : Avoid all eye and skin contact and do not breathe vapour and mist. High slip hazard because of leaking or spilled product. Stop leak if safe to do so. Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel). Large quantities: Contain large spillage with sand or earth.

6.1.2. For emergency responders

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

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. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
Methods for cleaning up	:	Absorb remaining liquid with sand or inert absorbent and remove to safe place. 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

Refer to sections 8 and 13.

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. 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. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Hygiene measures	:	Wash hands thoroughly after handling. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleansers.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:	:	Provide adequate ventilation. Store at ambient temperature.
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.

7.3. Specific end use(s)

refer to section 1.

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	:	Not required for normal conditions of use. For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils. Use heat-protective gloves when handling product at elevated temperatures.
Eye protection	:	safety glasses with side-shields. Use splash goggles when eye contact due to splashing is possible. Wear goggles and face shield when handling material at elevated temperatures.
Skin and body protection	:	Avoid repeated or prolonged skin contact. Wear suitable protective clothing. Wear long sleeves. Wash contaminated clothing before reuse. Discard contaminated leather articles.
Respiratory protection	:	With correct and proper use, and under normal conditions, breathing protection is not required. An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.
Environmental exposure controls	:	Avoid release to the environment.

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	:	200 °C Closed cup
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Explosive limits	:	No data available
Vapour pressure	:	0.001 kPa (at 20 °C)
Relative vapour density at 20 °C	:	> 1 (Air = 1)
Relative density	:	0.89 g/cm³ (water =1)
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	:	145 cSt (at 40 °C)
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None known under normal conditions of use.

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

No flames, No sparks. Eliminate all sources of ignition. avoid heat source. Direct sunlight.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

On combustion, forms: Carbon monoxide. carbon dioxide (CO2). Nitrogen oxides (NOx). hydrocarbons. Sulfur oxides. Phosphorus oxides. Zinc oxide. No hazardous decomposition products under suitable storage and usage conditions as prescribed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Zinc alkyl dithiophosphate (68649-42-3)	
LD50 oral rat	1800 mg/kg
LD50 dermal rabbit	< 3000 mg/kg

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	:	May produce skin irritation. May cause minor eye irritation. Repeated or prolonged skin contact may cause dermatitis and defatting. 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. The hot liquid may cause severe skin burns.

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.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	:	Consult the appropriate authorities about waste disposal. Dispose of this material and its container to hazardous or special waste collection point.
Waste disposal recommendations	:	Do not pressurize, cut, weld, braze solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Do not re-use empty containers. 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.

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

Other regulations, restrictions and prohibition regulations	:	Compliance with following 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

Regional legislation	:	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	:	CLP - Classification, Labelling and Packaging. EC - European Community. EEC - European Economic Community. 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
H302	Harmful if swallowed
R22	Harmful if swallowed.

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.