

# Quicksilver 4T FC-W, SAE 25W-40

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 21/09/2011

Supersedes: 05/05/2011

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 4T FC-W, SAE 25W-40  
Product code : 625267316; 92-832111; 92-858048Q01; 92-858049Q01; 92-858050Q01  
Synonyms : Heavy duty motor oil / Motor 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

##### 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 : EUH208 - Contains Long chain alkyl thio carbamide metal complex. May produce an allergic reaction  
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	0.6045 - 1.19691	Xn; R22
Long chain alkyl thio carbamide metal complex	(EC no) 457-320-2	0.01209 - 0.10881	Xi; R38 Xi; R43 R52/53

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
Tetrapropenylphenol	(EC no) 310-154-3	0.01209 - 0.10881	Repr.Cat.3; R62 Xi; R41 Xi; R38 N; R50/53

  

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	0.6045 - 1.19691	Acute Tox. 4 (Oral), H302
Long chain alkyl thio carbamide metal complex	(EC no) 457-320-2	0.01209 - 0.10881	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Tetrapropenylphenol	(EC no) 310-154-3	0.01209 - 0.10881	Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361f 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 : At room temperature, exposure by inhalation is not expected to cause any adverse effects on health. 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<sub>2</sub>), 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 (NO<sub>x</sub>). 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.

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### 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

Avoid release to the environment. Do not discharge into drains or the environment. Floats on water. Prevent entry to sewers and public waters. Relevant water authorities should be notified of any large spillage to water course or drain. Ensure all national/local regulations are observed.

### 6.3. Methods and material for containment and cleaning up

- For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Absorb remaining liquid with sand or inert absorbent and remove to safe place. Clean spills promptly. Consult the appropriate authorities about waste disposal. Wear proper protective equipment.

### 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 : Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment. Avoid all eye and skin contact and do not breathe vapour and mist. Avoid ignition sources. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.
- 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

- Storage condition(s) : Keep container tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Only use containers approved for especially this product. Protect from sunlight. Protect containers against damage.
- Incompatible products : Oxidizing agents, strong.

### 7.3. Specific end use(s)

refer to section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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Australia	TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
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### 8.2. Exposure controls

- Appropriate engineering controls : Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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Personal protective equipment : Gloves. Protective clothing. Protective goggles.



Hand protection : Not required for normal conditions of use. For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils.

Eye protection : Chemical goggles or face shield with safety glasses. 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 : 425 °C (Open cup)

Relative evaporation rate (butylacetate=1) : No data available

Flammability (solid, gas) : No data available

Explosive limits : No data available

Vapour pressure : < 0.01 hPa (at 20 °C)

Relative vapour density at 20 °C : > 1 (air=1)

Relative density : 0.89 g/cm<sup>3</sup>

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 : 155 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.

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### 10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep out of direct sunlight.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

On combustion, forms: Carbon monoxide. carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). 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

Quicksilver 4T FC-W, SAE 25W-40	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

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.

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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 : 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. Overland transport (ADR). PVC (Polyvinyl chloride). 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 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life
H410	Very 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.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.

*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.*