

# Mobil™ Coolant Extended Long Life 40/60

## Data Sheets



### Mobil Coolant Extended Long Life 40/60 Ready Mixed

#### Properties

Mobil Coolant Extended Long Life 40/60 Ready Mixed is an ethylene glycol based fluid using OAT technology to provide maintenance-free protection against freezing, boiling and corrosion. This unique 40/60 mix is recommended for use in stationary engines that require improved heat transfer performance, cavitation protection and long-life cooling system protection.

Mobil Coolant Extended Long Life 40/60 is formulated for enhanced heat transfer performance. Designed for Jenbacher, CAT CES (MWM), cogeneration and other gas and diesel stationary engines in accordance with the OEM recommendation. Mobil Coolant Extended Long Life 40/60 Ready Mixed is a ready to use product. Mixing 40% Concentrate with 60% deionized water, further dilution with water is not recommended.

Mobil Coolant Extended Long Life 40/60 Ready Mixed offers many benefits to the engine/Machine designer as well as to the user:

- **Extended life** by effectively combining compatible ingredients
- **Improved heat transfer** leaves more flexibility to engine design
- **Reduces repairs** to thermostat, radiator and water pump
- **Reliability** depletion free and stable inhibitor
- **Improved hard water stability** absence of silicates and phosphates
- **Save time and money** maintenance-free coolant
- **Environmentally friendly** by using carboxylic additives

#### Miscibility

Mobil Coolant Extended Long Life 40/60 Ready Mixed is used as a cooling and heat transferring fluid in combustion engines. Excessive heat is transferred via the fluid to the radiator where the mixture is cooled by means of airflow. Mobil Coolant Extended Long Life 40/60 Ready Mixed is compatible with most other coolants based on ethylene glycol. Exclusive use of Mobil Coolant Extended Long Life 40/60 Ready Mixed is however recommended for optimum corrosion protection and sludge control.

#### Chemical and physical properties

Mobil Coolant Extended Long Life 40/60 Ready Mixed	40% dilution
pH	8.4
Initial crystallisation	< -24°C
Freezing protection	- 27°C typ.
Specific gravity, 20°C	1.056 typ.
Reserve alkalinity (pH 5.5)	2.4 typ.
Effect on non-metals	no effect

#### Chemical nature

Ethylene glycol with organic corrosion inhibitors.

#### Appearance

Clear liquid

#### Frost Protection

Freezing Point: 40% Vol. Solution, ASTM D 1177 typically -27°C

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### Quality Control

The listed data represent average values at the time of going to press of this Data Sheet. They are intended as a guide to facilitate handling and cannot be regarded as specified data. Specified product data are issued as a separate product specification.

### Packaging

Mobil Coolant Extended Long Life 40/60 Ready Mixed is available in 208L and 1000L pack sizes.

### Handling

- Minor spills should be soaked up with oil absorbent granules, sand or dirt. The spillage site should then be washed with soapy water and dried.
- Wash off any spillage on paintwork immediately.
- Avoid contact with galvanised equipment when storing or dispensing this product, as this will prompt a corrosive reaction.

### Shelf Life

- Mobil Coolant Extended Long Life 40/60 Ready Mixed can be stored for minimum 8 years in unopened containers without any effect on the product quality or performance. The product should be stored above -20 °C and preferably at ambient temperatures. Periods of exposure to temperatures above 35 °C should be minimised.
- All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be exposed to hot sun or freezing conditions.
- Manufacture date can be identified from an eight digit code printed on the bottle. YYYY.MM.DD.

### Colour

Clear liquid, orange fluorescent in colour

### Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Manufactured by Moove Lubricants Limited.  
Operations Plant Dering Way, Gravesend, Kent DA12 2QX +44 (0) 1474 564 311

[www.mobil-ancillaries.com](http://www.mobil-ancillaries.com)

