



Delo® Extended Life Coolant Pre-Mixed 50/50

Radiator Coolant, Anti-Freeze & Corrosion Inhibitor

Product Data Sheet



Customer benefits

Complete cooling system protection

Unique Carboxylate Technology inhibitor system provides corrosion protection for all engine and cooling system metals, including aluminium, iron, steel, copper and solder alloys. Selective corrosion protection (only where it is needed) allows the remaining surfaces to be free of inhibitor film for unrestricted heat transfer.

Extended service life

Very low depletion rate of the organic acid inhibitor ensures long-term corrosion protection under all operating conditions.

Reduced maintenance costs

Unique Carboxylate Technology inhibitor system prevents wet liner cavitation erosion, and provides exceptional protection to aluminium surfaces under heat transfer conditions. Fewer abrasive dissolved solids means fewer water pump seal failures.

Saves time and money

One coolant does it all. Very low depletion rate and complete cooling system protection of the organic acid inhibitor removes the need for supplementary additives for cavitation erosion protection, and reduces the need to regularly test inhibitor level and add extra additive to maintain the inhibitor concentration.

Applications

Delo® Extended Life Coolant Pre-Mixed 50/50 is recommended for:

- Heavy-duty diesel engines fitted with “wet” or “dry” liners, in both on and off-highway service
- Light-duty commercial vehicle gasoline and diesel engines
- Passenger car gasoline and diesel engines
- High temperature aluminium engine blocks

Recommended maximum service intervals are:

Heavy-duty diesel, on-road	1.25 million km or 8 years
Heavy-duty diesel, off-road	15,000 hours or 8 years
Passenger car & light truck commercial vehicles	250,000 km or 5 years

Product features:

- **Delo® Extended Life Coolant Pre-Mixed 50/50** is a premium performance, environmentally sensitive pre-diluted coolant, anti-freeze and corrosion inhibitor, based on extended-life organic acid Carboxylate Technology plus an additional nitrite corrosion inhibitor in ethylene glycol.
- **Delo® Extended Life Coolant Pre-Mixed 50/50** provides long-term protection of the cooling systems of heavy and light-duty diesel engines and gasoline engines.
- **Delo® Extended Life Coolant Pre-Mixed 50/50** is specifically designed for use where the engine manufacturer requires nitrite inhibited product (e.g., Caterpillar).



Product specifications

DELO® EXTENDED LIFE COOLANT PRE-MIXED 50/50	
KEY PROPERTIES	
Product code	510629
Color	Red
Freezing Point, °C	-36.5
Nitrate, amine, phosphate, borate content	Nil
Silicate Content, as Na ₂ SiO ₃ , m%	Nil

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit: www.caltexoils.com.

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Performance standards

Delo® Extended Life Coolant Pre-Mixed 50/50 has a wide range of approvals and recommendations, including:

- Caterpillar EC-1
- Cummins
- Mack Truck (014 GS 17009)
- PACCAR (Kenworth and DAF trucks)
- International
- Freightliner
- Thermo-King
- Meets the phosphate-free requirements of European manufacturers
- Meets the silicate-free requirements of Japanese manufacturers
- TMC RP 329
- ASTM D6210
- ASTM D4985
- ASTM D3306



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Service considerations

Delo Extended Life Coolant Pre-Mixed 50/50 is recommended for optimum year-round protection. In service top up should be carried out with Delo Extended Life Coolant Pre-Mixed 50/50.

The use of Delo Extended Life Coolant Pre-Mixed 50/50 will minimize scale deposits, as de-mineralized water is used in its manufacture. When changing to Delo Extended Life Coolant Pre Mixed 50/50, thorough flushing of the cooling system is recommended. Chemical cleaning of the cooling system may be necessary where coolants incorporating hard water have been used, refer to your Caltex representative for flushing and system cleaning advice.

Traditional phosphate and borate containing coolants exhibit higher pH and reserve alkalinity than the new organic acid based Carboxylate Technology. However, this difference bears no relationship to corrosion control potential. In comparison with conventional coolants, the different inhibitor mechanism of Delo Extended Life Coolant Pre-Mixed 50/50 means reserve alkalinity is of no relevance, and it is able to afford corrosion protection to aluminium and other system metals at much lower pH levels.

First aid

WARNING: Delo® Extended Life Coolant Pre-Mixed 50/50 contains Ethanediol (Ethylene Glycol), which is harmful or fatal if swallowed. Avoid eye or skin contact.

If swallowed give large quantities of water to drink. **DO NOT** induce vomiting. Get medical attention immediately. Do not give anything by mouth to an unconscious person.

If eye contact occurs, flush the eye with fresh water for at least 15 minutes.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Global Lubricants
- Asia Pacific