



# PRODUCT DATA SHEET

## OPTI-X EURO PURPLE COOLANT CONCENTRATE

### Product Description:

Opti-X Euro Purple Coolant Concentrate is a Type A ethylene glycol-based hybrid coolant using low silicates concentration with a blend of organic additives designed for European-manufactured vehicles like BMW, Mercedes Benz, VW and many others. It does not contain Nitrites, Amines, Phosphates, Borates or 2-Ethylhexanoicacid.

The inhibitor package guarantees optimum heat transfer reducing operative temperatures and maximum protection preventing foam, rust, corrosion, cavitation, scaling, oxidation and degradation of the cooling system for at least 7 years or 500,000 km, whichever comes first.

Opti-X Euro Purple Coolant Concentrate is also designed to meet American phosphate and nitrite free requirements, allowing maximum protection against cavitation erosion of wet cylinder liners in diesel and petrol engines.

It's ideal for petrol, light and heavy-duty diesel, mining, marines, highway off/on road and industrial stationary engines where a Si-OAT type anti-freeze/anti-boil and anti-corrosion properties are required.

### Features and Benefits:

When diluted 50% in deionised water

- Passenger vehicles and light commercial vehicles - 500,000km/ 7 years (whichever comes first).
- Heavy duty vehicles 1,000,000km/ 7 years/ 20,000 hours (Whichever comes first).
- Provides maximum anti-freeze/anti-boil protection.
- Provides optimum reliability and operating life of water pump.
- Compatible with all plastics, rubbers and seals.
- Maximises protection of all metals commonly found in the engine cooling system.
- Excellent cavitation and liner pitting protection.
- Maximises fuel economy by keeping the engine at the optimum operating temperature.
- Protects against scale, rust and residue build up.
- Manufactured in Australia for Australian conditions.



### Initial Dosage:

#### Atlantic Opti-X Coolant Concentrate – Automotive & Heavy-Duty Diesel applications

Mix Ratio %	Freezing Point °C	Boiling Point °C
50	-37	107

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Opti-X Coolants should not be mixed with other coolants. This could lower performance and cause product instability. Before using Opti-X Coolant, we recommend flushing the cooling system prior to a complete service refill to pre-clean the cooling system by draining the existing coolant and chemically cleaning the system to remove any rust, dirt, oil and built-up residue. Use Opti-X Radiator Flush to effectively clean the cooling system prior to refilling.

Never top up with water as this will dilute the coolant. Always top up with Opti-X Coolant Concentrate pre-mixed with Opti-X Deionised Water.

PACK SIZE	PRODUCT CODE
5 Litre	OXEPC001
20 Litre	OXEPC002
205 Litre	OXEPC004
1000 Litre	OXEPC005

## Specifications/ Performance Levels: (mix ratio: 50%)

AS 2108:2004 Type A	Lamborghini TL774-G
ASTM D 3306/ 4985	MAN: 324 Type Si-OAT
Audi TL 774-G	MB: 325.5/325.6
Bentley: TL 774-G	MTU MTL 5048
Bugatti: TL 774-G	Paccar
Cummins: CES 14603	Renault Type D
CUNA NC 956-16	SAAB
Deutz: DQC CC-14	Scania
Ducati from 2016	Skoda: TL 774-G
Fiat 9.55523	Smart: 325.6
Ford: M97-B44-D	VW: TL 774G
GM: 1825M/ 1899M/ 6277M	

Always refer to Atlantic Oil Plates2oil for correct coolant application

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## Typical Test Data:

Chemical Nature: Type A glycol coolant concentrate plus corrosion inhibitors		
Test Description	Results	Method
Density, g/cm <sup>3</sup> 20 °C	1.11 -1.13	DIN 51575-3
pH value	8.0-10.0	ASTM D1287
Boiling Point, °C	>160	ASTM D1120
Appearance	Purple	Visual
Freezing point, °C at 50% (v/v)	≤-37	ASTM D1177
Reserve Alkalinity	4-6	ASTM D1121
Foaming	<150 mL/<3s	ASTM D1188

Typical ASTM Corrosion Performance		
Glassware Corrosion Test	ASTM D 1384	
Metal and alloy	Weight loss (mg/coupon)	Spec. limit (mg/coupon)
Copper	1	10
Solder	0	30
Brass	0	10
Steel	0	10
Cast Iron	-1	10
Aluminium	2	30

## Storage Stability:

Opti-X Coolant Concentrate has a shelf life of at least three years when stored closed, in the original airtight packaging, at a maximum temperature of 30°C. Keep out of direct sunlight.



All recommendations for the use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility, therefore. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

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