

## TECHNICAL DATA SHEET

# ROXDIESEL ANTIFREEZE

**Code 8250**

### *Pour Point & Cold Filter Plugging Point Depressant*

#### DESCRIPTION

ROXDIESEL ANTIFREEZE is an ashless pour point depressant additive which improves operability for a range of MGO's and Diesel Fuel at low temperatures.

Used throughout the cold regions of Australia for 40 years by Oil Companies, Fuel Terminals, Vessels and end users in stationary and mobile diesel engine equipment.

MGO fuels from many different origins contain varying amounts of wax which will crystallise and gel below certain temperatures.

ROXDIESEL ANTIFREEZE inhibits and modifies wax crystal growth, offering effective pour point and cold filter plugging point management for many of the currently available Diesel and MGO fuels and blends. Best results for reducing Cold Filter Plugging Point are achieved when efficient treat rates are employed.

#### TEST RESULTS (typical results)

##### MGO (DMA)

		Sample 1 Pour Point (ASTM D97)	Sample 2 Pour Point (ASTM D97)
MGO – Untreated		+12 °C	+6 °C
MGO - +ROXDIESEL ANTIFREEZE	1:500	<-18 °C	<-18 °C

##### Regular Summer Diesel

		Pour Point (ASTM D97)
Diesel - untreated		-3°C
Diesel + ROXDIESEL ANTIFREEZE	1:1000	-24°C
Diesel + ROXDIESEL ANTIFREEZE	1:500	-30°C

##### 'Winter Diesel' (including Heating Oil)

		Pour Point ASTM D97	Cloud Point ASTM D2500	CFPP IP309
Winter Diesel - untreated		-9	-1	-2
Winter Diesel + ROXDIESEL ANTIFREEZE	1:1000	<-27	-1	-4
Winter Diesel + ROXDIESEL ANTIFREEZE	1:500	<-27	-1	-8

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### DOSAGE INSTRUCTIONS

It is important to add the ROXDIESEL ANTIFREEZE to the fuel when the temperature of the fuel is above its cloud point.

#### **Dose the fuel at the terminal or directly into the vessel fuel tank.**

Add the ROXDIESEL ANTIFREEZE to the fuel prior to topping up with the new fuel delivery. The turbulence will successfully mix the Roxdiesel through the fuel. Alternatively, the ROXDIESEL ANTIFREEZE can be added at anytime to the fuel in storage and action of recirculating will ensure adequate dispersion.

A **dosage rate** of 1 litre ROXDIESEL ANTIFREEZE to 500 litres of MGO or diesel fuel is required for the coldest climates. A dosage of up to 1:1000 is acceptable in milder temperature ranges.

### FUEL ADDITIVE PARTNER

Callington is an Australian fuel additive manufacturing company, developing additives for changing fuel specifications since the early 1970's.

The advanced chemistries employed ensure the highest of performance requirements: - Asphaltene Dispersants, HFO PPD's, Tank Cleaners, Pour Point depressants, Cold Flow Improvers, Combustion Improvers, Cetane Improvers, Dispersants, Detergents, Corrosion Inhibitors, Demulsifiers, Lubricity Agents, and Antioxidants.

### PACKAGING & AVAILABILITY

Ex-stock Sydney. Packed in 20 and 200 & 1000 litre containers.

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