



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

DD50 COOLANT BLUE

PRODUCT DESCRIPTION

DD50 Coolant Blue is a premixed, ready-to-use blend of ethylene glycol and organic long life corrosion inhibitors. Designed with non-depleting Organic Acid Technology (OATS), it provides superior corrosion protection and anti-freeze/anti-boil protection for all types of petrol, diesel and gas engines, heavy duty commercial, industrial, on highway, marine, mining and stationary applications.

BENEFITS

DD50 Coolant Blue is dyed a distinctive blue colour for ready identification. It is silicate free for improved pump life and contains no environmentally harmful nitrates, nitrites, borates or amines. It meets the requirements of many European, US and Japanese engine manufacturers.

DD50 Coolant Blue provides maximum anti-freeze/anti-boil protection. It maximises protection for all metals commonly found in the engine cooling system, with excellent cavitation protection and prevention against scale, rust and residue build-up.

DD50 Coolant Blue extends the period between changes of engine coolant. For heavy duty vehicles the change period is extended to 1,000,000km / 6 years / 12,000 hrs, whichever occurs first.

DD50 Coolant Blue is premixed, avoiding the need to use poor quality water when good quality soft water is not available. Its concentration can easily be tested using Coolcheck test strips for glycol.

SPECIFICATIONS

DD50 Coolant Blue exceeds the performance and specification requirements of many major truck engine and machinery manufacturers.

It meets the requirements of the following specifications:

ASTM : D1384, D1881, D2809, D2570, D1287, D1121, D3634, D4340

AS2108 - 2004 (Type A)

It is compatible with other heavy duty conventional coolants supplied by Caterpillar, Cummins, Detroit and Fleetguard.

Always consult your vehicle owner's manual for the manufacturer's recommendations.



AUSTRALIAN FAMILY OWNED SINCE 1989





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RECOMMENDATIONS

DD50 Coolant Blue is formulated, tested and manufactured in Australia for Australian conditions.

DD50 Coolant Blue is recommended for heavy duty engines manufactured by Cummins, Caterpillar, Detroit Diesel, Mack-RVI, Mercedes Benz, Scania, MTU, Komatsu and other OEM's. It is recommended where the following performance levels are cited:

ASTM D-3306 (and D-4656)	MAN 324 (Diesel Engines)
ASTM D-4985 (and D-5345)	VOLVO
ASTM D-6210	Scania (Tech Info. TI 02-98)
BS 6580 (British Standard)	Mercedes-Benz Sheet 325.3
UNE 26-361-88/1	Mack-RVI
FVV Heft R443 (Germany)	Caterpillar EC-1
NATO S-757	Cummins 90 T8-4
BT-PS-606A (MIL-Belgium)	Detroit Diesel/Perkins
E/L-1415b (MIL-Italy)	Komatsu
SAE J1034	General Motors GM 6277M
JIS K2234 (Japan) LLC	General Motors GM 1899M
JASO M325 (Japan) LLC	Ford WSS-M97B44-C
Afnor R15-601	Volkswagen VW TL774D
Önorm V5123	Audi/SEAT/Skoda
BR 637	ISUZU
DCEA 615 (MIL-France)	BMW N600 69.0
FSD 8704 (MIL-Sweden)	SAAB
AS/NZS 2108.1:1997 (Australian Standard) Type A	DAF-Leyland 74001
Navistar	Mazda MES 121C
Mitsubishi ES-X64216	Toyota TS K2601 G
Honda	Daihatsu
Hyundai	Subaru
STJLR.651.5003	

Always consult your vehicle owner's manual for the manufacturer's recommendations.

TYPICAL PROPERTIES

Property	Typical Results
Colour	Blue
pH Neat	7.6 – 9.0
Ethylene Glycol content (min % wt)	47.0
Reserve Alkalinity, mL (pH 5.5)	0.5 – 2.5
Density @ 20°C (g/mL)	1.060 - 1.080
Boiling Point (°C)	172
Freezing Point (max °C)	<- 37



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INSTRUCTIONS FOR USE

Before using **DD50 Coolant Blue**, 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 **Hi-Tec Radiator Flush** to clean the system effectively.

Initial Dosage:

DD50 Coolant Blue should be dosed to the cooling system as supplied – do NOT dilute.

Anti-freeze/Anti-boil Protection

DD50 Blue	Water	Min Temp	Max Temp
1 part	0 part	-37°C	129°C

Preventative Maintenance:

Always top up with **DD50 Coolant Blue** as supplied, do NOT dilute it. Never top up with water as this will dilute the coolant.

Heavy duty diesel vehicles need only have the coolant replaced every 1,000,000km / 5 years / 12,000 hrs, whichever comes first. These vehicles do not require the coolant to be re-dosed at regular intervals or have expensive water filters replaced except at the changeover of fluids. Top up with **DD50 Coolant Blue** as described above if fluid is lost.

Consult your **Hi-Tec** representative if clarification is required. **Hi-Tec** recommends that this product is not mixed with other brands of coolants or inhibitors as this may reduce performance.

SAFETY AND HANDLING

The product contains ethylene glycol and is a Schedule 5 poison. Read the Material Safety Data Sheet (MSDS) before opening the container and using the product.

Available in: 200 Litres and 20 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

Item Code: H18-3080

Effective: June 2024

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