



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

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## PRODUCT DATA SHEET

### DD COOLANT NF 50 GREEN

#### PRODUCT DESCRIPTION

**DD Coolant NF 50 Green** is a ready-to-use nitrite free engine coolant based on ethylene glycol. It contains a hybrid corrosion inhibitor package with salts of organic acids and silicates. **DD Coolant NF 50 Green** is also free of amines and phosphates.

**DD Coolant NF 50 Green** was developed to protect car, truck and bus engines of both ferrous and aluminium construction against corrosion and frost damage. It contains a blend of inhibitors designed to give a high degree of corrosion protection to engine components such as radiators, cylinder blocks/heads and water pumps.

**DD Coolant NF 50 Green** meets the requirements of the Australian Standard AS 2108-2004 for Engine Coolants Type A in addition to the performance requirements of both the ASTM D 3306 and BS 6580:1992-standards. **DD Coolant NF 50 Green** is an approved coolant as per the MAN OEM specification **MAN 324 Type NF** with the registration number **TUC 2548/89**.

#### APPLICATIONS

**DD Coolant NF 50 Green** exceeds the performance requirements of the Australian Standard AS 2108-2004 as a "Type A" Premixed Coolant. **DD Coolant NF 50 Green** is suitable as an initial fill, complete fill, top-up, or to fill from empty, where "Type A" Premixed Coolant is specified.

**DD Coolant NF 50 Green** has been formulated for use in the cooling systems of petrol and diesel engines of trucks, buses, off-road equipment, stationary engines and ships. Care should be taken with heavy-duty diesel equipment if using coolant filters pre-treated with dichromates. Dichromates plus glycol and/or additional treatment can give a brownish silicate precipitate (mud-like). Where dichromates are not used, no problem exists. **DD Coolant NF 50 Green** is safe to use with all hoses, gaskets, clamps and fittings.

#### SPECIFICATIONS

**DD Coolant NF 50 Green** is an approved coolant as per the **MAN 324 Type NF** specification with the registration number **TUC 2548/89**.

**DD Coolant NF 50 Green** meets or exceeds the following demanding performance requirements:

BMW N 600 69.0

KHD H-LV 0161 0188

Mercedes-Benz DBL 7700.20, page 325.0

Opel/General Motors B 040 0240

VW/Audi/Seat/Skoda TL 774-C

German Army TL 6850-0038/1

MAN 324 Type NF

MTU MTL 5048

Saab 6901599

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



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## PERFORMANCE FEATURES

- Reduces corrosion of all metals in the engine cooling system.
- Prevents scale deposits.
- Provides anti-freeze and anti-boil protection.
- Prevents foaming that can cause water pump cavitation.
- Extends the period between changing coolant.
- Minimises volume of spent coolant that has to be disposed of.
- The reduction of deposits, corrosion and anti-foaming action maintains cooling systems in an as new condition that promotes maximum efficiency.
- Maximises fuel economy by keeping the engine at the optimum operating temperature.

**Anti-freeze/Anti-boil Protection:**      Min Temp: -37°C      Max Temp: 129°C

## INSTRUCTIONS FOR USE

### **Before treatment, pre-clean the cooling system by:**

Draining the existing coolant and chemically clean the system to remove any rust, dirt, oil and built up residue. Use a radiator cleaner to clean the system effectively and thoroughly.

### **Initial Dosage:**

**DD Coolant NF 50 Green** should be added to the cooling system neat. Do NOT dilute.

### **Preventative Maintenance:**

Never top up with water as this will dilute the coolant. Always top up with **DD Coolant NF 50 Green**.

### **Light Commercial and Passenger Vehicles:**

There is no need to replenish inhibitor during the life of the coolant. Coolant should be drained and replaced within 5 years or 200,000 km, whichever comes first.

### **Heavy Duty Diesels:**

There is no need to replenish inhibitor during the life of the coolant. Coolant should be drained and replaced every 5 years or 1000,000 km, whichever comes first.

## SERVICE

On-site technical assistance can be provided to implement and evaluate a treatment program using **DD Coolant NF 50 Green**.

## FEATURES

**DD Coolant NF 50 Green** meets or exceeds the following test requirements: -

- ASTM D-1384 - Glassware Corrosion Test
- ASTM D-1881 - Glassware Foaming Test
- ASTM D-2570 - Simulated Service Corrosion Test
- ASTM D-4340 - Hot Surface Aluminium Corrosion Test

**It also complies with ASTM D-2809, D-1287, D-1121, D-3634; results vary on individual batches manufactured.**



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## STORAGE STABILITY

**DD Coolant NF 50 Green** has a shelf life of at least three years when stored in originally closed, air-tight containers at temperatures of maximum 30°C. Do not use galvanized containers for storage as they may corrode.

## HANDLING

The usual precautions for handling chemicals together with the information and advice contained in the Safety Data Sheet should be observed. Avoid contact with skin.

## COMPATABILITY

Most coolant blends are based on carefully balanced mixtures of various corrosion inhibitors. Mixing of coolants with different inhibitor packages can lead to loss of corrosion protection. **DD Coolant NF 50 Green** should therefore not be mixed with silicate free, OAT engine coolants.

## TYPICAL PROPERTIES

Property	Method	Typical Results
Appearance	Visual	Green liquid
Density at 20°C (kg/m <sup>3</sup> )	DIN 51 757/4	1.072 – 1.074
Refractive index at 20°C	DIN 51 423/2	1.385 – 1.387
Boiling point (°C)	ASTM D-1120	129
Flashpoint (°C)	ISO 2592	> 120
pH value	ASTM D-1287	7.1 – 7.3
Reserve alkalinity, M/10 Hal (mL)	ASTM D-287	6-8
Water content (%)	DIN 51 777/1	47 – 51

**Available in:** Bulk, 1000 Litres, 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](http://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](http://www.hi-tecoils.com.au)”

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