



Dieselguard NB 25 kg

Product Group: 653

Product number: 571349

General description

A dry powder, nitrite/borate based compound with organic corrosion inhibitors for use in cooling water systems.

Features

- By creating an oxide film on the metal surfaces, electrolytic corrosion is prevented
- Effective against cavitation and erosion
- Compatible with non-metals such as hoses, gaskets and seals
- Compatible with glycol used for frost protection
- Simple control tests
- The product can be used for corrosion inhibition in many types of closed recirculation systems such as:
 - Diesel engine cooling water systems
 - Compressor cooling water systems
 - Centralised cooling systems
 - Hot water heating systems
 - Auxiliary machinery cooling systems

Ordering information

Product Number	Product name
571349	DIESELGUARD NB 25 KG

Accessories

Test Kit for Nitrite, Chloride and pH.

Product Number	Product name
739466	SPECTRAPAK 309

Approvals

- Approved by the Norwegian National Institute of Public Health for the use in systems where cooling water is used for heating purpose in evaporators
- Approved by numerous engine manufacturers

Directions for use

Dosing method

Dieselguard NB should be dosed into a suitable point in the cooling water system, after it has been thoroughly mixed with water. If the expansion tank is used then adequate circulation must be assured.

Sampling and testing

The WSS Test Kit provides the necessary equipment to carry out the control tests. Obtain a representative sample of the cooling water. Carry out the tests immediately after sampling (following the instructions given in the Test Kit) and log the results in Waterproof. The results should be sent to WSS as stated in the Waterproof instructions. Use the dosage chart overleaf to adjust treatment to obtain the optimum level. It is important that testing is carried out at least once per week, to ensure levels of treatment are correct.

Dosing and Control

Initial dosage for an untreated system is 2 kg/1000 litres of untreated distilled water. This will bring the treatment up to the minimum level of 1000 ppm. The dosage chart given below is for convenience in calculating the amount of Dieselguard required to bring the treatment level to the suitable point between the minimum and maximum - this being 1440 ppm nitrite.

Normal nitrite limits: 1000-2400 ppm nitrite (NO₂)

After a short period of use the operator will be able to easily determine the dosage required to maintain a proper treatment level.

Nitrite (as PPM NO ₂)	0	180	360	540	720	900	1080	1260	1440	1620 - 2400
Dieselguard NB kg/1000 ltr	2,88	2,52	2,16	1,80	1,44	1,08	0,72	0,36	0	0

N.B. Buffering agents in Dieselguard NB maintain pH values within suitable limits when the product is dosed as recommended.

The pH should be maintained between 8.3 and 10.0 by the treatment.

The engine manufacturer's recommendations for water quality should always be complied with. Chloride levels should be as low as possible. Most engine manufacturers recommend a maximum of 50 ppm chlorides.

For this reason, Wilhelmsen Ships Service recommends to use distilled water as make-up.

Dieselguard NB is very water soluble. One kilogram of Dieselguard NB should be dissolved in 10 litres of hot water before adding it to the system.

Documentation

- [DIESELGUARD NB 25 KG](#)

Further Technical Data

Form	Powder
Appearance	Off white
pH, in 0,2% sol.	9
Non Compatible	Zinc and aluminium reacts with solutions of Dieselguard NB.