

Technical data sheet

Since 1996

"rb bertomeu" beco Mg Concentrated

Since 2018 Concentrated additive

Vanadium and Sodium corrosion inhibitor substance for Fuel oil, Crude Oil and Marine Diesel Oil. It **neutralizes corrosion** in high temperature zones, in **gas turbines, big engines, boilers / steam generators, dryers and furnaces**.

EFFECTS

Inhibitor of the corrosion caused by **Vanadium and Sodium** in the combustion chamber, the expansion turbines, exhaust valves, turbos and gas circuit. It **prevents** incrustations on the blades of the turbines, on the exhaust valves of the engines, in the turbos and in the heat exchangers of boilers and furnaces. **Optimizes** energy efficiency.

COMPOSITION

> 95% of [Magnesium Organic salts of Fatty acids \(molecules - trade secret\) soluble in hydrocarbons](#).

< 5% **Organic solvents** with flash point > 65 °C. (C.C.)

PHYSICAL PROPERTIES

Active area / Surface area of 1 gram of Magnesium molecules: $\approx 1,800 \text{ m}^2/\text{g}$

Liquid completely **soluble in hydrocarbons**

Immediate soluble in heavy fuel oil, crude oil and Diesel oil.

Insoluble in cold water and hot water

Odor: Hydrocarbon mild odor

Color: yellow - transparent amber

pH value: 7

Flash point > 65 °C (C.C.)

Density at 15 °C. (Kg/m³): 905-915

Viscosity at 15 °C (cSt): < 200

Pour Point: < -23 °C

Sediments: Nil

Particle distribution: **does not contain particles, contains molecules soluble in hydrocarbons**.

Shelf life / Expiration: Indefinite / it does not expire.

PRESENTATION: 1000-liters HD-PE IBC, 208-liters metal drums.

DOSAGE: Doses are variable in function of the Vanadium and Sodium concentration in the fuel and the combustion machinery. We can send you a report without any commitment from your side and completely confidential if you provide us with information about the facility (boiler, engine, gas turbine, etc.), fuel consumption in MT and its chemical analysis. We can help you to set the recommended dose if you provide us with some information [here](#).

INJECTION POINT: In the fuel's feed pipeline through a metering pump.

ENVIRONMENT AND TRANSPORTATION:

Catalogued as NON-hazardous for ADR/RID, ADN, IMDG and IATA transportation.

Catalogued as NON-hazardous for the environment.

MANUFACTURER AND COUNTRY OF ORIGIN: Manufactured by "rb bertomeu" in Spain (European Union).

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