



Product Data

## Castrol Corrosion Inhibitor N 213

Corrosion Inhibitor for Enclosed Systems

### Description

Castrol™ Corrosion Inhibitor N 213 is a solvent free highly effective vapour phase corrosion inhibitor especially recommended for ferrous metal protection in enclosed systems. It contains a blend of mixed amines and their salts, the vapours of which give corrosion protection by absorption as a molecular film on metal surfaces.

### Application

Castrol Corrosion Inhibitor N 213 can be used when corrosion protection of existing product needs to be improved especially in enclosed environments. It is especially developed to improve performance of Castrol Alpha SP gear oils in use. It can be successfully used for the internal protection of engines and gearboxes, fuel tanks, hydraulic systems, pipes and export packing, pumps and compressors. Since protection is derived from the vapour it can only be fully effective in an enclosed system where vapours can build up and be retained. Protection is also derived from direct surface contact with the oil.

### Typical Characteristics

Name	Method	Units	Corrosion Inhibitor N 213
Appearance	Visual	-	Amber Light Liquid
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052 / DIN 51757	kg/m <sup>3</sup>	950
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C / °F	> 90 / > 194

Subject to usual manufacturing tolerances.

### Recommended Concentrations

Depending on the desired corrosion protection, between 0.5 and 1 litre of Corrosion Inhibitor N 213 per 1 m<sup>3</sup> housing volume should be added. It should not be used in pure form, but only as a gear oil additive (e.g. in Castrol Alpha SP / Castrol Alpha SP ... S). For every 1 litre of Castrol Corrosion Inhibitor N 213, there should be around 20 litres to 25 litres of gear oil

Castrol Corrosion Inhibitor N 213 should only be used after consulting a Castrol Technical Engineer.

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