



Product Data

Castrol Syntilo NF™

Nitride Free Synthetic Fluid

Description

Castrol Syntilo- NF is a synthetic type, Nitrite free and Boron free coolant intended for use on ferrous metals only and its chemical formula is angled to overcome any difficulties in the cutting and grinding of Cast Iron with soluble media. A relatively small amount of EP additives is present so that a high surface finish can be achieved.

Application

Castrol Syntilo NF is ideally suited for machining and grinding of cast iron and ferrous material. They are the right choice for production grinding where wheel grains must cut continuously without any trace of burn marks. This product can also be used for light duty machining operations.

Recommended Dilution

Operation	Cast Iron	Low Carbon Steel	Alloy Steel	Aluminium Alloys
Grinding	1.5 – 2.0%	2%	2%	‡
Turning	2.0 – 2.5%	3%	3%	‡
Drilling	2.0 – 2.5%	3%	3%	‡
Milling	2.0 – 2.5%	3%	3%	‡

Advantages

Product Features	Operational Advantage	Customer Benefit
Anti-corrosion properties	No hazard of rusting of components	Cast iron machining can be done without rust problem.
Presence of EP Additive	High surface finish	No burn marks on the components
Oil free solution	Good flushing property	No sticky grinding swarf on the machine

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Castrol India Limited, Industrial Lubricants & Services, Rayala Towers, II Tower, V Floor, 781-785, Anna Salai, Chennai – 600 002.
Tel: +91 44 42198899 Fax: +91 44 28416305 Toll Free: 1800 - 425 - 4588 (BSNL) Help Line: 044-39019019
Email:customer.service@castrol.com



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Characteristics

Characteristic	Typical Value
Solution appearance @ 2% in distilled water	Clear translucent
Cast Iron Corrosion @ 5% in 250 ppm	Passes
pH of 2% emulsion in distilled water	9.3
Low temperature stability Test	Passes

The above are typical figures and do not constitute a specification.

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