


Product Data

Castrol Syntilo 81 E

Synthetic coolant

Description

Castrol Syntilo™ 81 E is a synthetic coolant which has been developed for use as a general purpose grinding fluid for ferrous metals. It forms a clear, stable solution in both hard and soft waters. Syntilo 81 E exhibits very good anti-corrosion properties coupled with a high resistance to bacterial attack.

Application

Syntilo 81 E is developed for surface, cylindrical, double disk and centreless grinding.

Advantages

- Low foaming in all water conditions to ensure continuous grinding performance
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Rejects tramp oil to the surface of the fluid for easy removal
- Chlorine, phenol and nitrite free for environmental compliance
- Maintains corrosion protection in hard water
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment

Typical Physical Characteristics

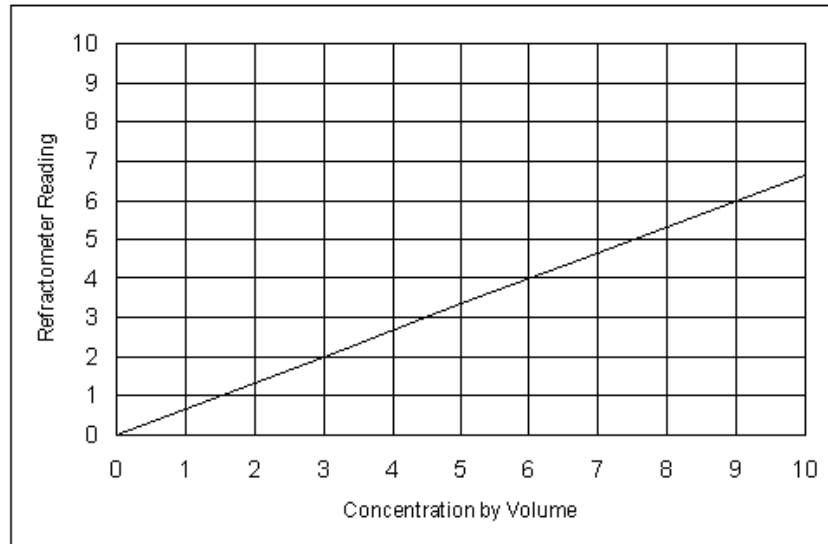
	Test Method	Unit	Value
Concentrate			
Appearance	Visual	Visual	Transparent, yellow
Density at 20° C	DIN 51757	kg/m ³	1.120 – 1.140
Mineral oil content	Calculated	Vol. %	0
Solution			
Appearance	Visual	Visual	Transparent
pH (5%)	DIN 51361 ASTM E70-97		8.8 – 9.4
Factor refractometer			1,5

Recommended Concentrations

Grinding: 3-5%

Concentration Control

% Concentration	Refractometer Reading
3.0	2.00
5.0	3.33
7.0	4.67
10.0	6.67



Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress.

Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always.

For more details, please refer the product safety data sheet.

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