



Technical fluids - Metalworking

Eurol Cutting Fluid ST

Mineral cutting oil for difficult metal machining

Description

Eurol Cutting Fluid ST is a neat cutting oil, based on mineral oils with excellent Extreme Pressure properties. It is extremely suitable for heavy duty machining of high-quality steels.

Eurol Cutting Fluid ST contains special additives which, under high pressure, form a semi-solid lubricant film with very high EP properties. This prevents welding of surface peaks between chips and cutting tool.

Eurol Cutting Fluid ST strongly adheres to the work piece, making it suitable for thread cutting, milling, gear cutting and deep drawing operations.

Eurol Cutting Fluid ST may discolour copper and copper alloys.

Physical properties

Colour	brown	
Density at 20°C	0.905 kg/l	ASTM D 4052
Viscosity, kinematic at 40°C	37.5 cSt	ASTM D 445
Viscosity, kinematic at 100°C	5.7 cSt	ASTM D 445
Viscosity Index	87	ASTM D 2270
Flash point	164 °C	ASTM D 93
Pour point	-33 °C	ASTM D 97

Article number E120540
Version 1.2, 25-04-2023

Eurol B.V. Energiestraat 12, 7442 DA Nijverdal, The Netherlands, tel. +31 548 61 51 65, www.eurol.com

This document is intended to inform you about product properties and possible applications of Eurol products. Because of continuous product research and development, the information in this document can be changed at all times, without foregoing notice. The analytical data in this product data sheet are typical values. Small deviations, which may occur during the normal manufacturing process of the product, will not affect the quality of the product. Although this information sheet is compiled with great care, Eurol accepts no liability for damage resulting from incompleteness and/or inaccuracies in the text. We recommend that you always follow the manufacturer's instructions.