Eurol Syncool U 6100

Fully synthetic soluble metalworking fluid with broad applicability

Article number E120720 Version 1.2 12/08/2026

Product information

Eurol Syncool U 6100 is a fully synthetic water-soluble metalworking fluid, recommended for use with all common alloys and suitable for the most demanding machining processes. Among other things, Eurol Syncool U 6100 can be used for grinding, drilling, sawing, and other machining operations.

Eurol Syncool U 6100 is suitable for use with most aluminum and copper alloys, although it is recommended to check for staining.

To enable smooth operations, Eurol Syncool U 6100 has excellent cooling and cleaning properties.

The mineral oil-free formulation is designed to be highly resistant to any microbial growth. This resistance to microbial growth ensures both a longer fluid life and the avoidance of odors.

Regardless of whether soft or hard water is used in making the solution, Eurol Syncool U 6100 provides a low-foaming fluid, ensuring maximum cooling and protection of both the workpiece and the tool.

At the recommended usage concentration of 10%, excellent corrosion protection is provided. The usage concentration can be monitored with a refractometer, where Eurol Syncool U 6100 gives 1.3% per ° Brix.

Always add Eurol Syncool U 6100 to water under continuous stirring.

Physical properties

Characteristic	Value/Result	ASTM Standard
Color	Yellow	
Density at 20°C	1.10 kg/l	ASTM D 4052
Flash point	100 °C	ASTM D 92
pH	9.1	

Eurol B.V., Energiestraat 12, 7442 DA Nijverdal, The Netherlands, tel. +31 88 250 22 00, info@eurol.com, eurol.com

This document is intended to inform you about the product features and possible applications of Eurol products. The information in this document is subject to change at any time without prior notice due to ongoing product research and development. The analysis data in this sheet contains typical values. Minor deviations, which can occur during the normal manufacturing process of the product, will not affect the quality of the product. Although this information sheet has been compiled with great care, Eurol accepts no liability for damages resulting from any incompleteness and/or inaccuracies in the text. We always advise you to follow the manufacturer's instructions. The translations provided here are made using ChatGPT, an AI language model developed by OpenAI. While we strive to deliver accurate and useful translations, we cannot guarantee that all translations are error-free or always capture the correct context and nuances.