

SWISSCOOL 8000

High-performance water-miscible metal working fluid

Description

SWISSCOOL 8000 is a universal high-performance, water-miscible, mineral oil containing cutting fluid. Free from chlorine, boron and formaldehyde. New performance additives provide outstanding wettability and optimum cooling and lubricating properties.

Advantages

- **Free from boron and formaldehyde**
mild formulation
- **Excellent cutting performance**
above-average tool life
Suitable for high-alloy steels and aluminium
- **Water hardness**
forms stable and low-foam emulsions with preparation water from 5°dH to 30°dH
- **Complies with current legislation**
meets the requirements of TRGS 611
- **Good rinsing behaviour**
clean machine tools
- **Outstanding corrosion protection**
protects machines and parts
- **Excellent biostability**
the selected formulation prevents uncontrolled biological growth, resulting in a long emulsion service life.

Field of application

Suitable for drilling, turning and milling of aluminum alloys, titanium, difficult-to-machine steels and non-ferrous metals.

Recommended concentration

General machining	6-8%
High - alloy materials	8-10%

Shelf life/Storage conditions

12 months in a closed container at temperatures between 5°C and 40°C.

Technical data

Properties	Unit	Test according to	Values
Colour			yellow
Density at 20 °C	g/cm ³	ASTM D4052	0.980
Viscosity at 40 °C	mm ² /s	DIN 51562-1	54
pH value		DIN 51369	8.7-9.0
Refractometer factor	% Brix		1.2
Mineral oil content	%	DIN 51561-1	29
Corrosion test GG25 chips	5 %	DIN 512360-2	0 - 0

European waste code: 12 01 09 / Water hazard class: 1

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