



PRODUCT DATA SHEET



EKO SYNCUT 20 Fluid

Synthetic emulsifiable metalworking lubricant

DESCRIPTION

EKO SYNCUT 20 Fluid is a synthetic metalworking lubricant specially designed for use in pipe manufacturing. EKO SYNCUT 20 Fluid is used mixed with water to remove heat and provide lubrication during forming and cutting operations.

APPLICATIONS

EKO SYNCUT 20 Fluid is suitable for demanding applications in the processing of iron and aluminium alloys.

Recommended ratio: from 4% to 10% in water, depending on the type of operation.

ADVANTAGES

- It forms a stable microemulsion with water.
- It has excellent resistance to bacterial growth.
- It effectively protects iron alloys from rust, and yellow metals and aluminium alloys from spotting.
- It effectively protects machines and cutting equipment from wear and tear.
- The long life of the product contributes to longer usage periods, and to overall reduction in operating costs.
- It has a low foaming tendency.
- It is environmentally friendly as it contains no metals, nitrates, phenols and sulphur.



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TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO SYNCUT 20 Fluid
Density at 15°C	ASTM D 1298	g/ml	0.9-1.05
Kinematic viscosity at 20°C	ASTM D 445	cSt	<20
Appearance of solution (5%)	Visual inspection	-	Translucent liquid
Stability of solution (5%)	Visual inspection	-	stable
Solution pH (3%)	ASTM E70-97	-	9.5
Refractive index	ASTM D1218	-	2
Correction factor		-	1.5
Boron content, max	AS	% w/w	0.7

HEALTH AND SAFETY

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

ADDITIONAL INFORMATION

Storage temperature: from 5°C to + 45°C. Avoid exposure to direct sunlight and contamination with water.

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This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.