



PRODUCT DATA SHEET

EKO SEMISYN CUTTING FLUID Semi-synthetic emulsifiable metalworking lubricant

DESCRIPTION

EKO SEMISYN CUTTING FLUID is a semi-synthetic metalworking lubricant that forms an extremely stable translucent microemulsion with water.

EKO SEMISYN CUTTING FLUID is used mixed with water to remove heat and provide lubrication during forming and cutting operations.

APPLICATIONS

EKO SEMISYN CUTTING FLUID is suitable for demanding forming and cutting metalwork in all types of metals.

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 foaming.
- It effectively protects iron alloys from rust, and yellow metals and aluminium alloys from spotting.
- It effectively protects machines and cutting equipment from wear.
- It is environmentally friendly as it contains no metals, nitrates, phenols and sulphur.



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TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO SEMISYN CUTTING FLUID
Density, 15°C	ASTM D1298	g/ml	0.97
Appearance of Solution (5%)	Visual inspection	-	Translucent liquid
Stability of Solution (5%)	Visual inspection	-	Stable
pH @ 3% Emulsion	ASTM E70-97	-	9.5
Corrosion Test, % breakpoint	ASTM D4627	%	2%
Bacteria Resistance	ASTM D3946		Max 10000/ml

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.

Issue 2, 31 October 2022

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.
Advice on safe handling is provided in the Safety Data Sheet.