



## 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 at 15°C	ASTM D1298	g/ml	0.97
Appearance of solution (5%)	Visual	-	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.

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