



# TECHNICAL DATA SHEET

## GRODAL MULTICUT SS 4000

Semi synthetic metalworking fluid for multipurpose use

### DESCRIPTION

Grodal MultiCut SS 4000 is a biostable, semi synthetic high ester cutting fluid designed to give more lubricity, longer emulsion life than normal soluble cutting fluid. It is high performance cutting fluid for heavy machining. It mixes readily with water to provide excellent corrosion protection and lubricating properties. The nitrite free formulation of the product ensures safe working environment for operator.

### APPLICATION

Grodal MultiCut SS 4000 is extraordinarily suitable for processing steel, high tensile steel, casting, cast iron, Aluminium alloys, most of the metals and for majority of machining operations in individual machines and central systems. It can also be used for very heavy machining for extremely dense and tough materials.

### BENEFITS

- Excellent lubricity & cleanliness
- Improved finish.
- Good protection of machinery & parts.
- Increased tool life.
- Better operational performance.
- Water soluble hence no fire hazards.
- Operator friendly.

### TYPICAL TECHNICAL DATA

Colour & Appearance :	Amber Liquid
Sp.Gravity @ 30°C :	0.95
pH of 5% emulsion :	9.0
Appearance of 5% emulsion :	Off white to translucent
Herbert test :	0/0-0
Rust test DIN 51360 :	0
Copper corrosion :	Class 1
Corrosion on Aluminium :	None.

### RECOMMENDATIONS

%	MACHINING OPERATION
3 - 5	Light Machining & Grinding
Variable	Heavy Machining
5 - 7	Turning & Drilling
5 - 8	Milling Sawing
5 - 9	Reaming
8 - 12	Deep hole drilling
6 - 10	Thread milling & Tapping

### SAFETY

This oil is unlikely to present any significant health or safety hazard when properly used in the recommended application as well as good standards of industrial and personal hygiene is maintained.

#### DISCLAIMER :

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