



TECHNICAL DATA SHEET

GRODAL MULTICUT SS 40

Semi synthetic metalworking fluid for multipurpose use

DESCRIPTION

Featuring extremely high lubricity and detergency GRODAL MULTICUT SS 40 is a semi synthetic soluble oil machining, rectified punching, threading, etc of carbon steel, alloy steel & light aluminium alloys, copper & alloys. GRODAL MULTICUT SS 40 is easy to emulsify, making up easily highly stable micro-emulsions. It is ideal for working in centralized systems where an excellent behaviour against bacteria, algae etc. is required.

APPLICATION

Typical concentrations for machining and grinding steel, copper alloys and aluminium alloys are from 3 to 6 % . To machine steel typical values ranges from 4 to 7 % . Nevertheless higher concentrations up to 12 % may be used in specific cases, where a higher lubricity is needed. It easily emulsifies with water giving high stability emulsions, even with hard waters up to 400 ppm as CaCO_3 .

BENEFITS

- | Excellent lubricity
- | 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	: Dark brown Liquid
Sp.Gravity @ 30°C	: 0.95
pH of 5% emulsion	: 9.2
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.

ADVICES

Store at ambient temperature and away from direct contact of fire. And avoid contact with water.

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.

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Supersedes all earlier

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