KR SAWS LIMITED

TECHNICAL DATA SHEET

KR SAWCUT SOL-DB

A biostable, semi-synthetic metalworking fluid

Product code: KR SAWCUT SOL-DB

Product Description

KR SAWCUT SOL-DB is a blue coloured, water miscible, semi synthetic biostable cutting and grinding fluid for both ferrous and non-ferrous materials.

KR SAWCUT SOL-DB contains a relatively high emulsifier to oil ratio which results in a highly stable micro emulsion being formed when the concentrate is added to water. This promotes improved wetting characteristics and allows for excellent workpiece visibility. The boron biostable performance additives offer excellent resistance to bacterial proliferation and improve hard water compatibility.

Features & Benefits

Biostable
Cost effective
Good levels of surface finish
Permits higher cutting speeds
Low foaming
Excellent residual corrosion protection
Chlorine free
NP ethoxylates free
Multi-functional
Maintains machine cleanliness
Good levels of boundary lubrication
Excellent tramp oil rejection

Typical Test Data

Appearance	Blue liquid
pH @ 5%	9.1
Specific Gravity	0.995
IP287 Corrosion Breakpoint, % vol.	3.0
Reichert Lubricity Tests, 10% dilution: Noise Reduction (m) Load Bearing Capacity (Kg/mm^2)	 35.0 1.234
Refractometer Factor	2.0

Dilutions:

General Machining 5%
Grinding 4%
Dilutions can be increased to a maximum of 10% to gain greater lubricating performance.

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Application:

KR SAWCUT SOL-DB is suitable for a variety of metalworking operations including sawing, milling, turning, drilling and grinding on low and medium tensile ferrous and non-ferrous materials. It is suitable for centralised and CNC machining.

Health & Safety:

Please refer to the relevant health and safety data sheet, a copy of which is freely available to all of our customers.

Availability:

KR SAWCUT SOL-DB is available in 1000 litre IBCs, 205 litre barrels and 25 litre drums.

Note
The life and performance of any water-mix metalworking fluid is affected greatly by external factors such as water quality, atmospheric contamination and ingress of machine oils etc. Maximum benefit and lowest operating costs are achieved where correct monitoring and control is applied.

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