

Smoothkut SS 5200 Premium

General Purpose Premium Grade Semi Synthetic Metal Working Fluid



DESCRIPTION

SmoothKut SS 5200 Premium is an extremely robust and high-performing microemulsion coolant for various machining and grinding operations.

YOUR BENEFITS

- ✔ Good emulsion, biostability, and cleanliness in hard water.
- ✔ Strong rust and corrosion protection under hard water conditions.
- ✔ Excellent foam control
- ✔ Efficient tramp oil rejection
- ✔ No scum or sludge residue formation.
- ✔ Product being robust needs minimum fluid care.
- ✔ Improves surface finish.
- ✔ Extends optimum lubricity and provides extended tool life.
- ✔ HSE Compliant product free of heavy metals.

APPLICATION

- ✔ General cutting operations.
- ✔ Most suitable for Sawing, Turning, Drilling, Boring, Milling, Reaming and Tapping operations.
- ✔ Grinding operations.

MATERIAL COMPATIBILITY

- ✔ Aluminum material.
- ✔ Mild Steel, Stainless Steel, Low-medium- High Tensile Steel.
- ✔ Cast Iron.

RECOMMENDED CONCENTRATION

- ✔ Normal Operation: 5-7%
- ✔ Difficult operation: 8-10%

Smoothkut SS 5200 Premium

General Purpose Premium Grade Semi Synthetic Metal Working Fluid



INSTRUCTIONS FOR USE:

- Most Suitable for 150 to 500 ppm hardness water of calcium carbonates. Product designed for low and high pressure CNC systems.
- Sump should be thoroughly cleaned before charging preferably using our system cleaner package.
- Concentration and pH levels should be checked periodically and maintained.
- Recommended to add oil to water and not vice versa. Do not add oil directly to the sump. Make emulsion before adding.
- Recommended chloride level <30 ppm in water.
- For additional information refer Coolant Management Guidelines available with Molygraph® Regional Application / Service Engineers.

CHARACTERISTICS	TEST METHOD	UNIT	TECHNICAL VALUES
Concentrate Parameters:			
Appearance	Visual	–	Clear Amber liquid
Specific Gravity @27°C	*CTM	gms/cc	0.99 ±0.2
Solution Parameters:			
Emulsion type	Visual	-	Translucent
Emulsion stability test – 5% in 100 ppm water	*CTM	-	Stable
pH @5% in deionized water	*CTM	-	9.6
Foam Depression in 5% 200 ppm Water	IP 312/74	Secs	< 8
Cast Iron Corrosion Protection	IP 287	%	2 BP
Refractometer Reading (1:20)	*CTM	-	3.4 ± 0.2
R. I. Factor	*CTM	-	1.44

INDUSTRY:

Metal Cutting & Forming

PACK SIZE:

30 Ltrs. / 210 Ltrs.

SHELF LIFE:

12 Months

*CTM: - Corporate Test Method

The values quoted above are typical and do not constitute a specification.

Marginal variation in shade can be expected from batch to batch. The color has no effect on the lubricating properties of the product.

MSDS available on request. Due to continual upgradation of products above data is subject to change without notice.

This supersedes our previously issued data sheets.

Information and data given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of a product for a particular use is beyond our control; all risks of use of the product are assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE.

