

DESCRIPTION

ULTRA CLEAR SOLCUT 718 is a versatile synthetic metalworking fluid for grinding and machining operations. It is designed for multipurpose applications on ferrous based materials, including stainless steels. It may also be used on non-ferrous materials and is fortified with additives for difficult machining and grinding operations. This long-life water-soluble metalworking fluid not only meets the modern-day machining demands but also offers a clearer visual of the workpiece, whilst being suitable for both soft and harder waters. ULTRA CLEAR SOLCUT 718 provides excellent corrosion protection with low odour. The product forms a long-lasting translucent emulsion that protects machines and parts. It avoids the formation of white rust on aluminium and zinc alloys.

ULTRA CLEAR SOLCUT 718 is recommended for all types of grinding (cylinder, flat, centerless); as well as for steels, aluminium alloys, machining and grinding cast iron. It also performs well in mixed metal situations and is a proven performer in aluminium, inconel and titanium alloys handling. Also suited well for band sawing, belt grinding, drilling, high-pressure, high volume, in-feed centerless grinding, internal grinding, plain grinding, reaming, roll threading, surface grinding, surface milling, tapping, thread forming and turning.

ULTRA CLEAR SOLCUT 718 is an eco-friendly product with low environmental impacts. It is free of nitrite, phenol, nonyl-phenol, formaldehyde releasers, chlorinated EP additives, DEA, sulphur and heavy metals.

Note: To ensure best possible working solution, add the required amount of concentrate to the required amount of water, stir well until uniformly mixed. Regular monitoring and maintenance procedures should be implemented for a well-functioning fluid solution.

FEATURES OF BENEFITS

- Good foaming control
- Compatible with aluminium, all steels, yellow metals and cast iron
- Extremely hard water tolerant
- Very good resistance to mechanical foaming, quick degasing
- Stable translucent emulsion in both soft and hard water
- Superior corrosion inhibition properties
- Biostability (bactericide free)
- Fine soluble oil emulsion reduces carry off effect
- Fast acting and fully coat the work piece to prevent corrosion
- Outstanding cooling feature
- Versatile product for multiple applications and metals
- Superior lubricity improves tool life and parts quality
- Long lasting coolant that effectively resists bacterial and fungal attack

RECOMMENDED CONCENTRATION

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|---------------------------------------|---------|
| • GENERAL MACHINING FERROUS FEEDSTOCK | 3 – 6% |
| • GENERAL MACHINING ALUMINIUM ALLOYS | 4 – 6% |
| • DEEP HOLE DRILLING, BORING | 5 – 8% |
| • REAMING, TAPPING | 6 – 10% |

TYPICAL CHARACTERISTICS

ULTRA CLEAR SOLCUT 718	TEST METHOD	RESULTS
APPEARANCE	VISUAL	Bright & Clear
DENSITY @ 15°C KG/L	ASTM D4052	0.991
COLOUR	ASTM D1500	<2.5
KINEMATIC VISCOSITY @ 40°C, cSt	ASTM D445	76.8
EMULSION@5% DILUTION		
APPEARANCE	VISUAL	Translucent
PH VALUE	-	9.1
BREAK POINT, %	IP 287	2.5
EASE OF EMULSION	QLAB-00206	Pass
STABILITY (24 HRS)	QLAB-00206	Pass
FOAMING	QLAB-00206	Pass

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

Aug 2024