

TECHNICAL DATA SHEET

HOCUT® 795 B-eu

WATER MISCIBLE METALWORKING FLUID

HOCUT® 795 B-eu is advanced, high lubricity, boron and formaldehyde-free emulsion technology giving ultra-long sump-life and enhanced machining performance compared to conventional products.

HOCUT® 795 B-eu is part of the HOCUT® 795 B product range, one of the world's best selling and multi-approved aerospace sector coolants.

HOCUT® 795 B-eu is approved by Rolls Royce, BAE Systems, SNECMA, Messier Dowty and VIAM. Other HOCUT® 795 B range approvals include Boeing, Bombardier, NASA, Goodrich and United Engines. A full list of aerospace approved products is available on request.

Applications

HOCUT® 795 B-eu is recommended for difficult machining of all aerospace materials including sensitive aluminium alloys, titanium, inconel, and high alloy steels.

The high lubricity emulsion contains a sophisticated additive package which provides outstanding machining characteristics with extended tool-life.

The formula is also non-staining to sensitive aluminium alloys especially for components with long cycle times.

Ultra long-life makes the product suitable for both centralised systems and single-sump machines while the advanced boron-free technology extends emulsion life without the need for regular biocide treatments.

The product is designed primarily for soft water.

Recommendation For Use

Medium duty machining 5-7%

Heavy duty machining 8-10%

Heavy duty grinding 6-10%

Benefits

- High lubricity : sophisticated package of mineral oil and polar additives extend tool-life
- Ultra long sump life : Special '795' technology extends intervals between clean outs
- Very stable emulsion : fewer additive treatments and lower usage costs
- Boron-free : no SVHC classification under REACH
- Prevents staining of aluminium during long cycle times : higher quality parts with fewer rejects
- Very low foaming : ideal for the highest speeds and pressures in soft water
- Boron, formaldehyde, chlorine and phenol-free. Contains only TRGS611 approved amines : excellent EHS profile

Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Concentrate Appearance	Hazy amber oil	
Specific Gravity @20°C	0.94	DIN 51757
Refractometer Factor	1.1	HIM 53
Emulsion Appearance	Opalescent	
pH @6%	8.7-9.2	DIN 51369

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