B-Cool 755

Art. No. 11755-43

Description

B-Cool 755 is a high performance water miscible, mineral oil based chlorine free cutting fluid. The characteristics of this product are low foaming behavior in hard and soft water with good stability, good protection from corrosion and low consumption.

Range of application

B-Cool 755 is qualified for machining of hard and soft aluminum alloys, titanium, nickel-based alloys, steel alloys including heat-resistant steel and stainless steel.

Product properties		Benefits
Excellent compatibility with all aluminum alloys	→	Excellent range of application even with demanding material mix of the aerospace industry
Very high stability of the emulsion	→	economical through long sump life low disposal cost
Very low foaming behavior in hard and soft water	→	ideal for high cutting speeds and high pressure conditions
Outstanding rinsing behavior	→	very low consumption

Physical-chemical data

	Concentrate	Emulsion
Color	yellowish	milky
Mineral oil content	35%	
Density at 20°C	0.93 g/cm^3	
Viscosity at 40°C	113.6 mm^2/s	
Flash point	138°C / 280°F	
pH (fresh emulsion)		9.0-9.7
pH (used emulsion)		8.8-9.6
Refractometer factor		1.0

Note

The product does not contain:
Chlorine, hard metals, boron, silicone, formaldehyde depot, nitrosamines, glycol ether.
* The substances listed here are not part of the formula, but trace amounts of these substances may be present.

Concentration of use

Variable concentrations from 7 – 15%
Best performance machining 7 – 10%
For best long term stability we recommend an emulsion concentration of >8% (especially in central systems).

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Instructions of use

The foam behavior in very soft water can be improved additionally to 5° dH (90 ppm) by hardening.

If required anti-foam art. No. 29108 additive A34 can be added too.

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