PRODUCT DATA SHEET

Water miscible stamping and deep drawing fluid

Description

Q8 Brahms WS 9780 is an emulsifiable coolant with a high content of mineral oil and esters, which forms milky emulsions when mixed with water. Its specific lubricating and extreme pressure (EP) additive package, based on sulfur, enables excellent performance in stamping and deep drawing operations.

Applications

Q8 Brahms WS 9780 is recommended for stamping and deep drawing operations on alloyed and stainless steels.

User instructions

Best results are obtained by gradually adding Q8 Brahms WS 9780 to water, with a minimum concentration of 5/8 % and a maximum of 15/20 %. Using a suitable mixer to optimize and maintain consistent dispersion of the concentrate in water allows for more stable and homogeneous emulsions. It is recommended to store the concentrate away from sunlight and water, at temperatures between a minimum of 5˚C and a maximum of 40˚C.

Environment, Health and Safety

Regarding user and environmental safety, the product features an advanced toxicological profile and is free from formaldehyde donors, boron, phenolic derivatives, chlorinated paraffins, and secondary amines (compliant with TRGS 611). Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

Properties

	Method	Unit	Typical
Mineral oil content	-	%	24
Density, 20 ˚C	D 4052	g/ml	0.974
Kinematic Viscosity, 40 ˚C	D 445	mm²/s	221
Appearance (Emulsion)	Visual	-	Milky
pH@3% in 400 ppm CaCO3 water	E 70		9.0
Determination of rust prevention characteristics of water-mix metalworking fluids	IP 287	%	Pass at 4%
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	Pass at 2%
Refractometer Factor	-	-	0.8

The figures above are not a specification. They are typical figures obtained within production tolerances.

Remarks

Please contact your Q8Oils representative for further advice and support on your specific application and equipment.