

GOLDENSTONE® FREZOL

Technical Data Sheet (TDS) METALWORKING FLUIDS

Description and Application

The non-ferrous metal (copper, aluminum, etc.) cutting oils **Goldenstone® Frezol** are formulated from special highly refined base stocks blended with a highly efficient additive package ensuring excellent lubricating and EP properties and dependable protection against wear and corrosion and are free of active sulfur.

The cutting oils **Goldenstone® Frezol** are developed for application during different metalworking cutting operations, including turning, grinding, milling, drilling, thread cutting, etc. on non-ferrous metals and their alloys. These oils possess EP properties to ensure both the relevant cooling of the tools and to reduce tool wear rates.

Goldenstone® Frezol oils are especially suited for application during machining of aluminium and its alloys.

Benefits

- Compatibility with non-ferrous metals
- Low wear of the cutting tool
- Very good cooling properties
- High oxidation stability

Specifications

	VG 22, 32
ISO 6743/7	ISO-L-MHC
BDS 14745	COT/P-M/M-1

Typical Characteristics

Parameter	Test Method	Typical Value	
		VG 22	VG 32
Density at 20°C, g/ml	EN ISO 3675	0.872	0.876
Kinematic Viscosity at 40°C, mm ² /s	EN ISO 3104	22	32
Flash point COC, °C	EN ISO 2592	200	210
Pour point, °C	ISO 3016	-18	-15
Four Ball EP wear - Weld point, N	ASTM D2783	2500	2500
Copper Strip Corrosion, 3h, 100°C, rating	EN ISO 2160	1b	
Steel corrosion, St 45	BDS 5747	pass	
Aluminium corrosion	BDS 5747	pass	

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

<http://www.goldenstoneoils.com>

Packages

210L