

PRISTA® Emulsin MW 633

Metalworking fluids

Description and application

Prista® Emulsin MW 633 is a water emulsifiable semi-synthetic metal working fluid, which is formulated with high content mineral base oils and free from boron, nitrite, chlorine and formaldehyde donor components. Amine containing concentrate.

Prista® Emulsin MW 633 is a higher-grade fluid specially developed for grinding and general machining of cast iron. It can also be used for machining alloyed and plain carbon steel.

Recommended for preparing working solutions with water of hardness 10-30°dH.

Benefits

- Produces stable microemulsions with excellent wetting properties. The fresh emulsion is stable up to 80°dH (1430 ppm)
- Ensures superior cutting tool cooling and detergency
- Recommended concentration:
Grinding- from 5%
General machining from 8%

Use and applicable operations

	Water-Miscible MWF
Cast iron	Very suitable
Steel	Suitable
Yellow metals	Not suitable
Aluminium	Not suitable
Grinding	Suitable
Cutting	Suitable
Forming	Not suitable
Additional properties: lubricity/ EP	None

Correction factor – 1.3% per °Brix

Specifications

	Water-Miscible MWF
ISO 6743/7	ISO-L-MAE

Typical characteristics

Parameter	Test Method	Typical Value
Properties of the concentrate: - Appearance - Kinematic Viscosity at 20°C, cSt - Density at 20°C, g/ml - Mineral oil content, %	Visual EN ISO 3104 EN ISO 3675 -	Clear brown fluid 120 0.987 30
Properties of water solutions: - Appearance - pH (at 5 %) - Corrosion protection (chip/filter paper test at 4%)	Visual ISO 4316 DIN 51360/II	Semi-transparent emulsion 10.1 0/0 - no corrosion

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's MSDS, terms and conditions for storage and shelf life please visit www.prista-oil.com

Minor variations in color, odor, and appearance may occur due to the selected raw materials; however, they do not affect product performance. Store the fluid in closed, dry warehouses. The concentrate remains stable for up to 12 months when stored at 5°C to 40°C. After opening, keep the concentrate container tightly closed.