

## Hyspray E 2100

Premium ester based spray mist neat cutting oil

### Description

Hyspray E 2100 is a premium chlorine and heavy metal free spray mist neat cutting fluid, based on advanced synthetic biodegradable ester technology.

### Application

Hyspray E 2100 has been designed for spray mist applications on one and two channel systems.

Hyspray E 2100 is low viscosity and provides excellent spray characteristics, even at low temperatures.

Hyspray E 2100 can be used for sawing, turning, drilling, milling and threading operations on aluminium, ferrous, non-ferrous and steel alloys.

Hyspray E 2100 should be used in combination with spray mist application equipment.

	Cast Iron	Low-medium alloyed steel	High alloyed steel /nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Milling	✓✓✓	✓✓	✓	✓	✓✓✓	✓✓✓
Turning	✓✓✓	✓✓	✓	✓	✓✓✓	✓✓✓
Drilling	✓✓✓	✓✓	✓	✓	✓✓✓	✓✓✓
Threading	✓✓✓	✓✓	✓	✓	✓✓✓	✓✓✓
Reaming	✓✓✓	✓✓	✓	✓	✓✓✓	✓✓✓
Sawing	✓✓✓	✓✓✓	✓	✓	✓✓✓	✓✓✓

✓: indicating increasing suitability

### Advantages

- Excellent sprayability even at low temperatures. Offers the opportunity to use the product also in one channel spray system.
- Excellent lubrication properties extend tool life and enable high surface finish and dimensional accuracy
- Our chlorine, mineral oil and heavy metal free formulation, based on advanced biodegradable synthetic ester technology improves the environmental profile
- Low odour, low evaporation and light colour improves the work environment
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- High oxidation stability and low viscosity reduce sticky residues on machined parts

## Typical Characteristics

Name	Method	Units	Hyspray E 2100
Appearance	Visual	-	Yellow
Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	4
Flashpoint Closed Cup	ASTM D92	°C	150
Copper corrosion	ISO 2160 ASTM D 130		1a

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