

# VORTA COOLCUT 40

## Emulsifiable Metal-cutting Oil



### Description

- 1 Forms a stable emulsion even when water quality is poor or the emulsion is contaminated with dirt or tramp oil
- 2 Contains a bactericide to suppress the growth of bacteria
- 3 Water-oil dilution ratios are 10:1 to 20:1 for milling, boring and turning and 40:1 to 80:1 for grinding
- 4 Water-mix cutting and grinding fluids
- 5 Milky emulsion product grade with micro-emulsion

TYPICAL CHARACTERISTICS	METHODS	UNITS °C	COOLCUT 40	
			CONCENTRATE	SOLUTION AT 3%
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	892	
Kinematic Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	38	
pH	NF T 60 193			
Refractometric factor			1.1	8.9
Specifications	ISO 6743/7	ISO-L MAA		

The above typical data may vary within modest range

### APPLICATIONS

- 1 COOLCUT 40 is specially designed for traditional machining of copper alloys and bar turning
- 2 COOLCUT 40 provides also full satisfaction for all operations on fine carbon steels
- 3 Recommended rate of use : from 5 - 10%
- 4 Protection of machined and non machined surfaces, mechanical parts that must be protected temporarily and for which the protective product must be easily eliminated

### ADVANTAGES

- 1 COOLCUT 40 is very easy to use, simply by pouring it into good quality water
- 2 Excellent cooling and lubricant power
- 3 Efficient protection of machined parts and machines against corrosion
- 4 Good mechanical performances, providing:
  - Reduced cutting efforts
  - Extended tool lifetime
  - Very good surface finish to parts
- 5 Properties in service:
  - Excellent stability over time increasing drain intervals
  - Cutting have low rate of humidity
  - Good anti-foaming properties
- 6 Resist to the development of bacteria and mould very well, so is more environmentally and operator friendly
- 7 Very multifunctional

#### VORTA LUBRICANTS

Industrial Products and Specialties

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