



SWISSCOOL MAGNUM UX 400

Universal purpose long-life coolant

Description

SWISSCOOL MAGNUM UX 400 is an extremely high performing general-purpose water-miscible coolant. Above-average stability combined with excellent wettability provides optimum cooling and lubrication, even with very hard water.

MAGNUM UX 400 forms a resistant film to protect against corrosion, providing machines and workpieces with long-term protection against corrosion.

Advantages

- can be used in very hard water
- high emulsion stability and biostability
- does not irritate the skin
- low tendency to foam
- high pH stability
- low disposal costs thanks to use for longer periods
- complies with TRGS 611 technical regulations for hazardous materials

Area of application

SWISSCOOL MAGNUM UX 400 is suitable for cutting operations related to metalworking on CNC machining centres and NC lathes, turning work and also stand-alone machines for drilling, turning, milling, etc. Thanks to a precisely chosen combination of EP active substances and other special additives, the best possible surface finishes are achieved.

Application for concentration

General cutting operations:
depending on the degree of difficulty 5 – 10 %
Grinding ca. 3 %

Synergy Project

“Using synergies and letting them influence products to the advantage of the user,” is the maxim of the MOTOREX Synergy Project.

Products that are influenced by the results of existing synergies between machine and tool manufacturers, users and MOTOREX are labelled as Synergy Projects at MOTOREX.

Technical data

| Properties | Unit | Test according to | Values |
|---|--------------------|-------------------|-------------|
| Colour | | DIN ISO 2049 | light brown |
| Density at 20 °C | g/ml | ASTM D 4052 | 0.935 |
| Viscosity at 40 °C | mm ² /s | DIN 51562-1 | 50 |
| Mineral oil content | % | DIN 51561-1 | 67 |
| Emulsion with hard water 20 °dH (36 °fH) | | | |
| pH value concentration | 5 % | DIN 51369 | 8.9 |
| pH value concentration | 10 % | DIN 51369 | 9.0 |
| Corrosion test using GG25 chips | >4 % | DIN 51360-2 | 0 - 0 |
| Factor for hand-held refractometers | % Brix | | 1.0 |

Water hazard class: Concentrate: WGK2, Emulsion: WGK1
Disposal code: EWC 120109

Notice

When new products are used in modern production systems, it is new ground for both parties. It can be assumed, based on the results available, that the product is compatible with the materials currently used in engineering. The users and manufacturers of the product bear equal responsibility – depending on the process – for the use and suitability of the product in the manufacturing system. The “General terms of sale and delivery” of MOTOREX AG LANGENTHAL, 4900 Langenthal, Switzerland apply.

The above information is subject to change without prior notice, although they are in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.

