

# SUPER-COOL

## SEMI-SYNTHETIC METAL-WORKING FLUID

SUPER-COOL is a multi-purpose, biostable watermix, semi-synthetic cutting fluid. The product forms a clear blue emulsion on dilution, which remains clear, thus aiding the operator. It is biocide-free yet protected against fungal growth.

SUPER-COOL maintains its lubricating properties and stability at high temperatures, and will not produce toxic fumes. The biocidal technology incorporated, combined with a specially selected fungicide, provides a fluid of exceptional sump life, even under the most arduous conditions.

SUPER-COOL has the important advantage over mineral oil based products, inasmuch as it will not turn rancid, so will not produce offensive odours.

SUPER-COOL relies on chemical action for its efficiency. Tool life is greatly improved, and a superior finish is also achieved. SUPER-COOL is thus very cost-effective in use.

Slideway lubrication and cutting performance is enhanced by the use of a highly-refined mineral oil base, in combination with specially formulated lubricity additives, and particular emphasis on the use of people-friendly and environmentally-friendly elements.

SUPER-COOL is passive to many non-ferrous metals, machine tool surfaces and the operator. It is non-carcinogenic, and the risk of occupational dermatitis is lessened when used in accordance with accepted practices of health and safety. It is also chlorine-free.

**CHANGING TO SUPER-COOL:** Changing to SUPER-COOL from other soluble or mineral oil based coolants entails first thoroughly cleaning, purging and sterilising the system to eliminate resident bacteria. This can be achieved using our SYSTEM CLEANER, which is entirely compatible with SUPER-COOL and available from stock. In addition, a proper procedure for regular draining and cleaning of machine coolant systems, and coolant renewal, should be implemented. A typical renewal cycle would be 6 months.

**DILUTION:** SUPER-COOL dilutes with up to 30 parts water for milling, counterboring, drilling, and with up to 15 parts water for broaching, hobbing, tapping, sawing and reaming. To avoid creating an invert emulsion always add CUT-COOL to water, and not water to CUT-COOL.

**STORAGE AND HANDLING:** Keep tightly closed in original containers. Keep away from sunlight and extreme temperatures.

**SDS Data:** A safety data sheet providing additional information is available on request.

Packaging Sizes:

- 4 x 5 litre jerrycans
- 25 litre drums
- 210 litre barrels

### BENEFITS:

- Exceptional sump life
- No toxic fumes
- Chlorine-free
- High resistance to fungal growth
- Will not go rancid
- Extended tool life
- Contains effective rust inhibitors
- Non-carcinogenic
- Less risk of dermatitis
- Suitable for a variety of feedstocks
- Cost-effective
- Non-hazardous



Excalibur Hygiene Limited  
 Unit 42 Enterprise Trading Estate | Pedmore Road  
 Brierley Hill | West Midlands | DY5 1TX | United Kingdom  
 Tel: +44 (0)1384 671505 | Fax: +44 (0)1384 671256  
 Email: [help@excalibur-hygiene.co.uk](mailto:help@excalibur-hygiene.co.uk)  
 Website: [www.excalibur-hygiene.co.uk](http://www.excalibur-hygiene.co.uk)

