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SUPER-COOL

Semi-Synthetic Cutting 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 even 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, that it is pleasant to use. It will not turn rancid and so produce offensive odours.

SUPER-COOL relies on chemical action for its efficiency. This provides greatly improved tool life, coupled with a superior finish. The product is thus significantly more economical to 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 dermatitis is lessened when used in accordance with accepted practices of health and safety. It is chlorine-free.

Before changing over to SUPER-COOL from other soluble or mineral oils, the system should first be thoroughly cleaned and sterilised to eliminate resident bacteria. This can be done effectively using our SYSTEM CLEANER, which is compatible and available from stock.

SUPER-COOL dilutes with up to 30 parts water for milling, drilling, counterboring, and up to 15 parts water for broaching, hobbing, tapping, sawing and reaming.

Exceptional sump life

No toxic fumes

High resistance to fungal growth

Extended tool life

Contains effective rust inhibitors

Non-carcinogenic

Less risk of dermatitis

Suitable for a variety of feed-stocks

Chlorine-free

Economical

COSHH/CHIP2 SUMMARY

Physical Form

Mobile Liquid

Colour/Odour

Clear blue/No fragrance

pH

9.3 @ 3% in water

Solubility

Infinitely soluble in water

Hazardous constituents

No hazard

Occupational Exposure Limit

No hazard

In contact with skin

Irritation after prolonged contact

In contact with eyes

Irritant when undiluted

Stability

Stable

Shelf Life

2 years in unopened containers

Flammability

None flammable

Product pack sizes

4 x 5 litre, 30 litre, 210 litre