

SOL 45

Product code: 265300301

Biostatic soluble coolant

This product is a clear brown biostatic metalworking fluid which forms milky transparent emulsion when mixed with water.

The levels of additives incorporated ensure that when the product is used at the recommended concentration, a superior performance compared with conventional emulsions will be achieved in terms of finish, tool and sump life.

It has been developed for the extremely demanding application in most types of machining operations which require water-based products.

The product is formulated from selected materials which will not support sump bacteria, which are the cause of splitting in conventional soluble oil emulsions, smell problems and corrosion of components and machine tools.

It is suitable for a wide variety of machining operations, turning, milling, boring, tapping, sawing, on ferrous metals. It is formulated to meet the exacting demands of modern production engineering techniques.

The swarf settling and excellent corrosion properties of the product ensure longer sump life.

Benefits & Advantages

- Does not form sticky deposits on machine surface.
- Good swarf settling properties.
- Does not encourage bacteria growth, thus giving long fluid life free from foul odors
- Operator friendly
- Environmentally acceptable
- Does not contain nitrite, chlorine, or phenols.
- Excellent service life
- Economical in use

Typical Performance Data Neat Product

Typical	Value
Appearance	Clear brown liquid
Specific gravity @ 20 °C, gr/cm ³	1.00
Sodium nitrite	Free
Chlorine content	Nil

All performance data on this Technical Data Sheet are indicative only and can vary during production.

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Typical Performance Data – 5% emulsion (in tap water 20°HF)

Typical	Value
Appearance	Milky emulsion
pH	9.1
Corrosion test IP-287	No corrosion
Corrosion test IP-125	0

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Mixing

This product is easy to mix. Simply pour the concentrate into water at the appropriate solution and mix. It is recommended between 3 -10% depending on severity of application. For normal machining 4 - 6%.

Dilutions can be easily checked by Refractometer:
% Concentration = Direct refractometer reading

Storage

Soluble oils are susceptible to frost damage. Store containers indoors to protect extremes of temperature.