

A high-performance, boron-free, soluble fluid (micro-emulsion) developed for difficult machining operations on cast iron, steel and aluminium.

DESCRIPTION & APPLICATIONS

Standard concentration for use: 6-10% depending on the type of operation
Recommended water hardness: when preparing the bath: 150-350 ppm (15-35° fH)

A bacteriostatic, semi-synthetic, soluble fluid for difficult machining operations where surface finish is the predominant concern. Ideal for the general machining of metals in most water qualities (a versatile product).

This formulation is characterised by its very high detergent power, which keeps the machines clean and ensures excellent biostability (from 6%).

ADVANTAGES

- Boron-free
- Versatile (compatible with cast iron, steel, aluminium and alloys)
- Compatible with a wide range of water hardness: very high stability of the emulsion, even in very hard water (hardness up to 70°fH)
- High detergent power keeps machines and parts clean
- Excellent lubricating properties combined with a high wetting power and good ability to transfer heat
- Good separation of foreign oils
- Low foaming and excellent de-aeration

Complies with the French ruling of 13 July 2006 on work which results in exposure to formaldehyde.
Free from formaldehyde.

Good anti-corrosion protection when used at the recommended concentration.
Excellent bio-resistance.

FLUID MAINTENANCE

A badly prepared bath can impair the stability of the product and generally shortens the service life of the cutting fluid. All equipment which comes into contact with the fluid must be cleaned and disinfected before a bath change.

A complete range of cleaning products, disinfectants and maintenance additives is available from your IGOL contact.

Characteristics	Standards	Units	Values
Appearance / Colour	-	-	Clear / Amber
Density at 15°C	NFT 60-101	kg/m ³	979
Viscosity of concentrate at 40°C	NFT 60-100	mm ² /s	70
pH at 5% in water	-	-	8.9
Refractometer reading	coefficient	%/°Brix	1.3

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

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