

**Soluble fluid (micro-emulsion), free from boron and mineral oil, for machining and grinding cast irons and steels.**

## DESCRIPTION & APPLICATIONS

Standard concentration: 4-7% depending on the type of operation  
 Recommended water hardness: 100-500 ppm (10-50° fH) and up to 100° fH in use

A bacteriostatic, semi-synthetic, soluble fluid for machining and grinding operations on cast irons and steels. This formulation is characterised by its high washing power, which ensures that the machines stay clean and preserves the excellent biostability of the fluid (from 4%).

## ADVANTAGES

- Free from boron.
- Free from mineral oil
- High washing power
- Does not contain a biocide

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.

Very high stability of the emulsion, even in very hard water (up to 1,000 ppm)

Very high washing/dispersing power which keeps the machine environment very clean.

## FLUID MAINTENANCE

A badly prepared tank 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 tank change.

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

Characteristics	Standards	Units	Values
Appearance / Colour	-	-	Clear / Yellow
Density at 15°C	NFT 60-101	kg/m <sup>3</sup>	1027
Viscosity of the concentrated product at 40°C	NFT 60-100	mm <sup>2</sup> /s	33
pH of a 5% solution in water	-	-	9.6
Refractometer reading	coefficient	%/°Brix	1.9

*Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.*

Documentary reference: XII-IGOL003-1511

Date of issue: 27/06/2016