



# LUBRICOUPE

SOLUBLE CUTTING OIL

Boron-free

## 7 good reasons for using LUBRICOUPE

1. **Boron-free** high performance **soluble** cutting oil (microemulsion). Developed for difficult operations on steel, aluminium and titanium.
2. **High performance**, fine emulsion-type bacteriostatic soluble fluid for difficult operations where surface finish is a priority.
3. Wide range of water **hardnesses**: very high emulsion stability even in very hard water.
4. Excellent **lubricating** properties associated with significant wetting and heat transfer ability.
5. Very high lubricity, ensuring good surface finish, particularly on aluminum and aluminium alloys.
6. Good **anti-corrosion** protection when used at the recommended concentration.
7. Excellent **bio-resistance**.

Particularly suitable for use in



Industry



Transport



Construction

For standard **machining** jobs, and for grinding steel, aluminium and its alloys, titanium.  
Ideal for general machining of metals in most water qualities (multi-purpose applications).  
Complies with the French decree of 13 Juillet 2006 on work which results in exposure to formaldehyde.  
Free from formaldehyde, BIT, triazine, Chlorine, Zinc and heavy metals, nitrite, silicone.

Characteristics			Instructions for use
	Standards	Values	<p>Standard use concentration: dilute with 90 to 93% water according to the type of application Water hardness: 100-350 ppm (10-35 °TH).</p> <p>To check the baths' efficiency, measure the refractive index with a pocket refractometer. Refractometer reading 1.0 %/°Brix (use during the first weeks of the bath, then use the true concentration).</p> <p><b>Fluid maintenance:</b> A badly prepared tank can impair the stability of the product and generally reduces the service life of the cutting fluid. All equipment which comes into contact with the fluid must be cleaned (with SYNERAL) and disinfected before a tank change.</p>
	concentrated		
Appearance/colour		Clear, light amber	
Mass volum at 15°C	NFT60-101	949 kg/m³	
Kinematic viscosity at 40°C	NFT60-100	66,7 mm²/s	
Base oil		Mineral + Ester	
Refractometer reading		1.0 %/°Brix	
Accepted maximal hardness		70°F	
Steel corrosion limit	DIN 51360	2%	
	Appearance at 5% in distilled water		
Appearance		Opalescent, white	
pH		9.2	

For more information, see MSDS.

GB31052024/5

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**SYNERAL**: Safety universal cleaner

Our cardboard packaging is recyclable and is manufactured according to FSC forest-friendly guidelines. Our plastics are easily recyclable. This datasheet supersedes previous documents. The information contained in these data sheets is based on our present knowledge and experience and is given as indication only. Under no circumstances does it engage our responsibility in the event of misuse of our products. Non contractual photos and images.



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