

BIOCOUP 80

Chlorine-free emulsifier concentrate, producing a micro-emulsion in the water for the machining of all ferrous and non-ferrous metals.

APPLICATIONS

Concentration 4 to 5 %: Conventional machining of cast iron and medium-hard steels and is also suitable for grinding cast iron and steel.

Concentration 5 to 6 %: Conventional machining of readily machinable medium-alloy steels and aluminum (types AU4G, AS4, etc.) and alloys.

Concentration 7 to 8 %: Threading and tapping of readily machinable cast iron and steels

MAIN PROPERTIES

- Free from chlorine, nitrites and phenol.
- Excellent cooling power enabling tool heating temperature to be reduced.
- Lubricating properties ensuring highly effective lubrication of the tool/chip interface.
- Detergent power preventing machine and grinding wheel fouling when grinding.
- Does not foam in hard and semi-hard water.
- Long-term stability against bacteria and fungi
- Grains out foreign oils, which make them easier to eliminate and reduces contamination of baths in use
- Does not react to non-ferrous metals
- Prior to disposal, can be broken down by acid, acid salts and ultra filtration..

CARACTERISTIQUES PHYSIQUES

CHARACTERISTICS	UNIT	AVERAGE VALUE	METHODS
Aspect		Limpid Homogeneous	
Color		Yellow	
Specific gravity at 20°	kg/m ³	1003	NFT 60101
Emulsion at 5% in the water			
	pH	9,3	
	Anticorrosion Test	Passed	
	Foaming Test	Passed	
	Workshop Refract meter Reading Coefficient	1,8	

Concerning storage and evacuation please refer to the specific note.

Storage recommended: maximum 6 months.

The information contained in this data sheet is given for information only. We reserve the right to make without prior notice any changes to the formulation of our products which may be required to improve their performance or bring them into compliance with any new regulations concerning them.