POLYBIO 650 AL

METAL WORKING



High Performance

New Technology

PRESENTATION

POLYBIO 650 AL is a mineral based water-soluble coolants enriched in EP additives to offer the best lubricating performances on aluminium alloys machining.

Thanks to its quick degassing properties and its high aluminium compatibility, the **POLYBIO 650 AL** *is especially suited for aerospace parts machining*

APPLICATIONS

- Heavy duty machining and forming operations
- Multi metal friendly Aerospace aluminium alloys, standard aluminium, stainless steel, titanium and titanium alloys

ADVANTAGES

◆ Performance: *POLYBIO 650 AL* is formulated with a high oil content and a custom EP additive package. Its offers high lubricating performance to increase cutting performances and prevent tool wear.

◆ Metal compatibility : *POLYBIO 650 AL* integrates a reinforces aluminium corrosion inhibitor package to prevent sensitive aluminium alloys (Aerospace) and ferrous metal staining.

PRODUCT BENEFITS

- High lubricating performances
- Compatible with high pressure spraying
- Boron & Amines free
- High Aluminium compatibility

- Operator friendly: POLYBIO 650 AL is formulated without boron nor amines. It contributes into preventing some of the skin reactions met by operator.
- ◆ Foaming: *POLYBO 650 AL* is compatible with high pressure spraying thanks to its quick degassing and fast foam breakdowns properties. It provides consistent lubricating performances, maintain a clean machine environment and reduces maintenance.
- Cleaning: Easily washed with alkaline cleaner or solvent.

CHARACTERISTICS

		Units	POLYBIO 650 AL
Pure state :	Aspect	/	Blond
	Density at 20°c	g/cm³	0.950
	Flash point (open)	°C	N/A
Storage temperature		°C	From 5° to 40°C, keep off freezing
Recommended maximum storage time		/	1 year, under original packaging
Recommanded concentration of use		/	[4%-12%]
<i>Diluted to 1 :20 (5 %) :</i> pH		/	≈ [8,1-9,1]
	Refractometer coefficient	/	1.1
Behavior :	Steel Corrosion	DIN 51360-2	Ok at 5%
Denamor .	Aluminum series 200 Corrosion	СПОМО D635223	0-0
	Aluminum 7000 Corrosion	CNOMO D635223	0-0
Above details are issued from a production average ; they are not specifications			

HEALTH AND SAFETY

See MSDS



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