

SPIRIT WBA 5600



Metalworking



Multifunctional micro-emulsion for a wide range of metals, and specifically non ferrous metals.

APPLICATIONS

- **SPIRIT WBA 5600** is recommended for workshops where there are wide variety of machining operations and materials.
- **SPIRIT WBA 5600** is particularly well adapted to non ferrous metals.
- Recommended rate of use:
 - grinding: 4 %
 - light machining: 5 to 7 %
 - heavy machining: 6 to 9 %.

SPECIFICATIONS

ISO 6743/7

- ISO-L MAE

ADVANTAGES

- **SPIRIT WBA 5600** is very easy to use, simply by pouring it into good quality water.
- Excellent cooling and lubricant power.
- Efficient protection of machined parts and machines against corrosion.
- Good mechanical performances, providing:
 - Reduced cutting efforts
 - Extended tool lifetime
 - Very good surface finish to parts.
- Properties in service:
 - Excellent stability over time increases drain intervals;
 - Cuttings have a low rate of humidity;
 - Good anti-foaming properties.
- It resists the development of bacteria and mould very well, thus it is more environmentally and operator friendly.
- Very multifunctional, very efficient on non ferrous metals.
- Low smell
- Does not contain amines.

HEALTH AND SAFETY

- Does not contain: formaldehyde liberators or boron.
- Is free of: chlorine, PTBB, DEA, nitrite and phenol and amines.



TOTAL

TYPICAL CHARACTERISTICS	METHODS	UNITS	SPIRIT WBA 5600	
			CONCENTRATE	EMULSION AT 5%
Density at 15°C	ISO 3675	kg/m ³	952	9.1
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	30	
pH at 5%	NF T 60 193		0.9	
Refractometric factor				

Above characteristics are mean values given as an information.

RECOMMENDATIONS FOR USE

- To ensure good conservation of the fluid's properties through time and thus increase its lifetime, we recommend:
 - Regular monitoring of the concentration of the bath with a refractometer. Do not forget to multiply the reading value by the refractometric factor.
 - Regular monitoring of the pH of the emulsion and the hardness of the water.
- Total offers its clients a regular laboratory fluid analysis service:
SOLUBLE CHECK.
Get in touch with your sales contact to obtain further information.
- Before using any fluid for the first time or before each change, we recommend cleaning the machine with a specific cleaning product:
CONTRAM CB 3.
- If punctual top-ups of Biocide are required, Total offers an efficient product:
EBOTEC BT 80.

Your sales and technical contacts are ready to provide you further information.