



Spirit WBF 5400

Multifunctional micro-emulsion for a wide range of metals.

DESCRIPTION

- **Spirit WBF 5400** is easy to use.
- 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 low rate of humidity.
 - Good anti-foaming properties.
- Resist to the development of bacteria and fungus, so is environmentally and operator friendly.
- Multifunctional
- Low smell

FEATURE > BENEFIT

Excellent Detergency > Clean machines & Parts

Optimum Lubricity > Improved tool life & Finish

Remarkably low foaming > No overflow + Better tool life

Excellent Contamination resistance > High service life

Superior EHS profile > User Friendly + Easy disposal

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

APPLICATIONS

- **Spirit WBF 5400** is recommended for workshops where there are wide variety of machining operations and materials.
- **Spirit WBF 5400** is particularly well adapted to difficult machining operations.
- **Spirit WBF 5400** is suitable for machining ferrous and non ferrous metals.
- **Spirit WBF 5400** gives very good results for flat, cylindrical and centreless grinding.

Recommended rate of use:

- Grinding: 4%
- Light machining: 5 to 7 %
- Heavy machining: 7 to 10 %.

TYPICAL CHARACTERISTICS

Typical characteristics	Methods	Units	Spirit WBF 5400	
			Concentrate	Emulsion at 5 %
Density at 15 °C	ISO 3675	kg/ m ³	979	
Kinematic viscosity at 40 °C	ISO 3104	mm ² /s	27	
pH at 5 %	NF T 60 193			9.5
Refractometric factor			1.2	

The characteristics shown in this table are typical values given for illustrative purposes.

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.
- TotalEnergies offers its clients a regular laboratory fluid analysis service: ANAC Soluble.
- Your sales and technical contacts are ready to provide you further information.

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