

# SPIRIT WBF 5400



*Metalworking*



**Multifunctional micro-emulsion for a wide range of metals.**

## 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: 6 to 9 %.

## SPECIFICATIONS

ISO 6743/7

- ISO-L MAE

## ADVANTAGES

- **SPIRIT WBF 5400** 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
- Low smell

## HEALTH AND SAFETY

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

TOTAL LUBRICANTS  
Industry & Specialties  
12-04-2011 (supersedes 24-06-2010)  
SPIRIT WBF 5400  
1/2



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 adviser or down loaded from [www.quick-fds.com](http://www.quick-fds.com).



TOTAL

TYPICAL CHARACTERISTICS	METHODS	UNITS	SPIRIT WBF 5400	
			CONCENTRAT E	EMULSION AT 5%
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	979	
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	27	
pH at 5%	NF T 60 193			9.5
Refractometric factor			1.2	

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.

### TOTAL LUBRICANTS Industry & Specialties

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