



## Surfactant S 601

Surfactant Additive for Metalworking Fluids

### Description

Castrol Surfactant S 601 is a specially modified fatty acid mono-ethanol amide surfactant developed for soluble metalworking fluids, water based cleaners and deformation products. It is optimised for stability and compatibility as an effective tank-side additive for both single sump machines as well as central systems.

It is used as a corrosion inhibitor and co-emulsifier for all water based metal working fluids.

### Application

Castrol Surfactant S 601 is especially developed to improve wetting properties of water based metalworking fluid emulsions, improve their corrosion resistance and reduce chip build up.

It is dispersible in water and is low foaming over a wide temperature range.

### Typical Characteristics

Name	Method	Units	
Appearance	Visual		Clear yellow liquid
Density at 15degC	ASTM 4052 DIN 51757 D	Kg/m3	982
pH (1% aqueous solution)	DIN 51369		10.5

### Recommended Concentrations

Castrol Surfactant S 601 should only be used after consultation with Castrol's Service Representative. Recommended dosage is 0.1% to 0.5%. Overuse can result in increased foaming in the water based system.

Surfactant S 601

24 Nov 2010

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

[www.castrol.com/industrial](http://www.castrol.com/industrial)