



**Product Data**

## **Rustilo DW 205**

Medium flash point dewatering corrosion preventive

### **Description**

Castrol Rustilo™ DW 205 is a powerful solvent based corrosion preventive with good dewatering properties. It is formulated on a moderately volatile, medium flash point solvent blend.

The product, after evaporation of the solvent, leaves a thin oily protective film.

### **Application**

Rustilo DW 205 can be directly applied to wet surface. The water displacing action quickly removes water from the components subsequent to electroplating process, machining process using soluble cutting fluids or components which have been washed.

Rustilo DW 205 leaves thin oily film which provides short to medium term corrosion protection for intermediate storage of tubes, gears, springs, steel rods, bars, machined components, simple hand tools etc.

Rustilo DW 205 can be applied by brush or spray. The products dewatering action is most effective when applied through a dip tank.

### **Advantages**

- Based on a medium flash point solvent blend to provide a safer working environment, i.e. helps to reduce fire risk and VOC emissions vs. low flash point products
- Excellent water displacement and penetrating properties which avoids water entrapment and corrosion under film
- Contains a corrosion inhibitor package ideal for providing a reliable inter-operational protection of components which helps to reduce scrap rate and to improve parts quality
- High coverage and moderate volatility makes the product economical in use and helps reducing product consumption
- Good lubricating properties for ease of assembly in subsequent operations
- If required protective films of Rustilo DW 205 can be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol

## Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear amber fluid
Density @ 29.5 °C	ASTM D4052 / ISO 12185	g/ml	0.81
Viscosity @ 40°C	ASTM D445 / ISO 3104	mm²/s	3
Flash Point, PMMC	ASTM D93 / ISO 2719	°C	63
Film Type	Visual	-	Thin, oily
Non-volatile Residue	In-house	%	38
Film Thickness	In-house	µm	3
Coverage	In-house	m²/L	160
Corrosion Protection	(*) Indoor Storage	Month	3 - 4
	(**) Outdoor Storage	Month	Not recommend

Subject to usual manufacturing tolerances.

## Additional Information

The claims on film thickness and coverage are average values. These are valid for smooth surfaces with good drain-off characteristics and simple geometries without holes or recesses.

The full corrosion protection will be provided when the solvent is completely evaporated.

(\*) "Indoor storage" describes the storage of ferrous components in closed store-rooms having a relative humidity of 60%. Increased protection times could be achieved by treating finished surfaces or storing the parts in a sealed pack.

(\*\*) "Outdoor storage" describes open storage, which assumes primary protection from the elements by tarpaulin or other form of cover.

## Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is strongly recommended to store the product indoors between 15°C and 45 °C/ 59°F and 113°F. Improper storage may cause cloudiness or additive separation, which is reversible post mixing and homogenizing. To ensure product performance and product quality, the product must be homogenized before use.

For more details, please refer to the product safety data sheet

Rustilo DW 205

03 Apr 2023

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. 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

<http://msdspds.castrol.com>