



SafeCoat DW 37

Dewatering corrosion preventive

Description

Castrol SafeCoat™ DW 37 is a high quality solvent deposited corrosion preventive with good dewatering properties. The solvent, after evaporation, leaves a soft greasy protective film.

Application

SafeCoat DW 37 is a medium to long term protective for use in severe conditions where a high degree of protection is required. It is ideal for protection of machine tools and components prior to long-term storage or transportation. The product also shows good water displacing properties.

Although SafeCoat DW 37 can be applied by brushing or spraying, its dewatering action is most effective if the articles to be protected can be immersed in a dip tank.

Advantages

- Based on low aromatic solvent (aromatic content less than 0.5 %).
- Free from heavy metals, such as Barium.
- Stable film characteristics reduce run-off loss and thus increase process reliability.
- Fingerprint suppressant.
- Good water displacing and penetrating properties.
- High stability against acidic and alkaline contaminations.
- Long bath-lifetimes possible.

Typical Characteristics

Name	Method	Units	Value
Appearance	Visual	-	Brown, oily fluid
Density @ 15 °C	DIN 51 757	kg/m ³	845
Flash Point	ASTM D 93	°C	62
Viscosity @ 20 °C	DIN 51 562	mm ² /s (cSt)	6.6
Film Type	-	-	Greasy
Total Film Forming Content	-	%	31
Film Thickness	-	µm	4 - 6
Corrosion Protection	Indoor Storage	month	18
Corrosion Protection	Outdoor Storage	month	9
Drying Time	-	min	90

Additional Information

- The claims on film thickness and consumption are average values. These are valid for smooth surfaces with good drain-off characteristics and simple geometries without holes or recesses.
- Average drying time is the time until the majority of the solvent is evaporated at ambient temperature and a relative humidity of 60 – 70%. The full corrosion protection will just 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 when treating finished surfaces or store 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.
- Influence of temperature may cause some cloudiness, which is reversible and doesn't have an impact on product quality.
- If required protective films of SafeCoat DW 37 can easily be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

SafeCoat DW 37

01 Jun 2011

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