ARDROX® 3966

WATER-DISPLACING CORROSION INHIBITOR

1 Description

Ardrox® 3966 is a water-displacing product for temporary corrosion protection. It consists of a mixture of surfactants, corrosion inhibitors and mineral oils.

Ardrox® 3966 has extremely good spreading and penetrating properties. It also contains a volatile solvent and when this has evaporated, a very thin oil film remains which displaces water from the surface and gives temporary protection to the metal surface.

Approvals

- ✓ Airbus — CML 12ABE2, I+D-N-11, TN A.007.10050 & TN A.007.1013
- ✓ CFM International

Ask your Chemetall representative for a complete list of approvals

2 Physical and chemical properties

Property	Typical Value	Unit	Test Method
Appearance	amber liquid	-	-
Density at 20°C / 68°F	0.82	g/ml	-
Flash point	> 38°C (>100°F)	-	ASTM D 93
Dry film weight	< 1 – 2	µm	-
Coverage	50	50 mm²/l-	-

These are typical values only and do not constitute a specification.

3 Method of use

Ardrox® 3966 may be applied by any of the conventional methods such as brushing, dipping, spraying or swabbing. Dipping tanks should be constructed with a sloping or conical bottom. During use, water will accumulate at the bottom of the tank and should be periodically run off. Immersion times do not need to exceed five minutes and usually 2-3 minutes is adequate. Agitation of work in dipping processes should be avoided as this will tend to emulsify the displaced water.

4 Effects on materials

The product will not affect normal paint systems and is not corrosive to copper. It may cause some swelling of rubbers if they are continually immersed. However, if a thin film is applied, the effect will be minimal and will largely disappear as the solvent evaporates.
Mild steel is a suitable material for tank construction.

5 Storage

Dry indoor storage at temperatures < 40 °C is recommended, away from any incompatible materials referenced in the Material Safety Data Sheets. All containers must be tightly closed when not in use.

6 Waste release

All waste waters must be treated in accordance with national legislation and local regulations prior to discharge to the sewer.

7 Safety guidance

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

8 General information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metal working and protection and non-destructive testing. Sales Executives are available to advice on specific problems and applications.

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. Statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

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