

## Water-displacing Corrosion Inhibitor

### 1 General Description

Ardrox<sup>®</sup> 396/1 E8 is a blend of surfactants, corrosion inhibitors and oil in a petroleum-based solvent. It is designed to have excellent dewatering and penetrating properties and will leave a thin, oily film on articles to which it is applied. This film will impart good corrosion protection. Ardrox<sup>®</sup> 396/1 E8 is not recommended for outdoor storage protection. Other Ardrox<sup>®</sup> products, e.g. Ardrox<sup>®</sup> 3140, are available for long-term protection outdoors.

#### Approvals

✓ CFMI	CFM56
✓ Dassault Aviation	DGQT 1.7.0.103
✓ Eurocopter	SPM, ECA-L 3071
✓ SNECMA	DMR 75-609

Ask your Chemetall representative for a complete list of approvals

### 2 Physical and Chemical Properties

Property	Unit	Typical Value - Ardrox <sup>®</sup> 396/1 E8	Test Method
Appearance	-	Yellow to amber liquid	-
Density	g/ml	0.810 – 0.844 at 20 °C / 68 °F	-
Flash point	-	Approx. 43 °C / 109 °F	-
Viscosity	PaS	< 7 mm <sup>2</sup> /s at 40 °C / 104 °F	-

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

### 3 Typical use

The following are examples of the uses of the product:

- Dewatering and temporary corrosion protection after pickling
- Temporary protection in inter-stage fabrication and storage of parts, sub-assemblies, dies and tools
- Penetrating fluid for freeing seized components
- Restoring wet electrical equipment to working order without the necessity for drying out
- Preservation of gas turbine compressors
- Maintenance protection of on-site plant and equipment

### 4 Method of use

The preferred methods of application of Ardrox<sup>®</sup> 396/1 E8 are by spraying, brushing or swabbing. It may, however, also be applied by dipping, in which case tanks should be constructed with a sloping or conical bottom so that any water which collects may be easily run off.

Ardrox<sup>®</sup> 396/1 E8 is also available in an aerosol pack for ease of application. Extension tubes are supplied with the aerosols so that the product may be sprayed into crevices, recesses etc.

For optimum protection, film thickness should be > 5 µm.

Ardrox<sup>®</sup> 396/1 E8 may be removed with white spirit, Ardrox<sup>®</sup> 9PR50 or Ardrox<sup>®</sup> 5503.

A slight precipitation may occur during storage; it is therefore recommended to thoroughly mix Ardrex<sup>®</sup> 396/1 E8 before use.

## 5 Effects on materials

When used in the prescribed manner Ardrex<sup>®</sup> 396/1 E8 will have no deleterious effect on most materials of construction or good quality paint schemes. Some types of rubber, however, will swell after prolonged contact.

Mild steel is a suitable material for tank construction.

## 6 Shelf Life

The shelf life is 3 years from date of manufacture.

## 7 Storage

Store under normal conditions with the containers tightly closed.

## 8 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.

## 9 Waste release

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

## 10 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.

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