

### Scope

ARDROX 311 long term corrosion preventative is a viscous mineral oil with corrosion and oxidation inhibitors. It will give long term storage protection to metal components, particularly under conditions of high humidity.

ARDROX 311 is suitable for the lubrication and preservation of machine guns and small arms at a range of ambient temperatures, from -18°C upwards. It is also suitable for the preservation of internal combustion engines and engine components, small mechanisms, ball and roller bearings, instruments, phosphated iron and steel sheets and aluminium sheets.

ARDROX 311 is very resistant towards oxidation at high temperatures, even in the presence of copper and is, therefore, suitable for machinery, which will run hot.

This product is not suitable for outdoor exposure where direct heavy rain may have access. ARDROX 3140 or ARDROX 3302 or ARDROX 3313 should be used for these conditions.

### Chemicals required

ARDROX 311

### Method of use

ARDROX 311 may be applied by any of the conventional methods such as dipping, flushing, spraying and brushing. The surface should be clean and dry before applying ARDROX 311 to the components, as this will ensure that the maximum corrosion protection is achieved.

### Effects on materials

When ARDROX 311 is used in the recommended manner, it will have no deleterious effect on commonly used metals.

Some grades of plastic and rubber may be softened by prolonged contact with ARDROX 311 and it is advisable to check compatibility before using.

## Technical information

Appearance:	Clear, brown, viscous oil.
Density:	0.89 g/ml at 20°C.
Flash Point :	150°C (minimum) (Pensky Martens closed cup)
Viscosity :	100 to 150 cSt at 21°C (70°F)
Film Thickness :	3.5 to 4.5 microns.

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

## Equipment materials

Mild steel is suitable for tank construction.

## 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.

## General information

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

## Labour and environmental protection

All local and national regulations on the transport, storage, use and waste treatment of chemicals in concentrated or diluted form and as working solutions must be obeyed.

Further specific information on the products can be found in the EC Safety Data Sheets supplied. The user should also pay strict attention to information and hazard symbols shown on product labels.

## Waste disposal

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

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