

Aircraft exterior cleaner

Scope

ARDROX 6092 is a water based alkaline high performance cleaner for the exterior surfaces of aircraft. The product, which has been specially formulated using surfactants with excellent biodegradability, is supplied as a concentrate for dilution with water. In its diluted form it can be applied either as a foam or by spray or brush.

ARDROX 6092 is suitable for cleaning both civil and military fixed wing aircraft and helicopters. It may also be used for cleaning ground equipment.

Chemicals required

ARDROX 6092

Method of use

Offshore helicopters

ARDROX 6092 is the best product for this arduous task. Foam application using a dilution of 1 part to 9 parts water will normally cope with salt, carbon and oil deposits, although sometimes this is used stronger. Application by foamer helps ensure even coverage in night time cleaning operations and allows longer dwell times to cope with heavier soiling.

Military

Matt paint is frequently used on military aircraft that presents a challenging task to remove the soiling without streaking. The high cleaning performance combined with ease of rinsing makes ARDROX 6092 an ideal product for this application.

Civil Operators

ARDROX 6092 is normally used at a diluted 1 part with up to 9 parts of water but for light tasks a more economical dilution of 1 part with up to 20 parts of water may be adequate.

Ground Equipment

ARDROX 6092 is quite suitable to cleaning ground equipment at dilutions between 1 part with 9 parts water to 1 part with 1 part water.

Dilute ARDROX 6092 to required strength or use appropriate metering equipment. Best results are usually obtained using foam application equipment. ARDROX 6092 may also be applied by spray, brush or pad techniques. Application should be from the lower surfaces, working upwards. Allow a few minutes for the cleaner to penetrate. Agitate with a brush or pad and rinse off thoroughly with clean water. ARDROX 6092 will remove grease and oil, therefore lubrication and engineering checks are essential after cleaning.

Effects on materials

When ARDROX 6092 is used in the prescribed manner no significant corrosion is likely to be encountered on magnesium, aluminium, titanium steel or cadmium plate. It is safe to use on high tensile steel, acrylic plastics and painted surfaces.

Technical information

Appearance:	Clear, colourless to pale straw, mobile liquid.
Density:	1.02 g/ml
pH concentrate:	12.7
pH (10% dilution):	11.8

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

Equipment materials

Equipment/tanks can be constructed of 316 or 320 stainless steel or polythene, polypropylene or PVC plastics.

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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