

Scope

ARDROX 6333 is an aqueous based liquid concentrate comprising a blend of alkali builders, sequestrants, corrosion inhibitors and biodegradable surfactants.

ARDROX 6333 can be used under a variety of operating conditions for the removal of oil, grease and soft carbon deposits. ARDROX 6333 is particularly useful for spray washing machine applications where only low levels of foam are generated at elevated operating temperatures. Other uses include engine and component cleaning and general hard surface cleaning.

Chemicals required

ARDROX 6333

Testing chemicals required

Indicator solution No.16 (methyl red)

Testing solution No.9 (0.1N sulphuric acid solution)

Method of use

ARDROX 6333 is normally used diluted with water, the concentration depending upon the degree and nature of the soiling encountered.

Use in spray washing machines

Dilutions up to 1 part ARDROX 6333 plus 9 parts water (by volume) at 50 to 80°C.

Engine and component cleaning

Applied using hot or cold high-pressure equipment. Dilutions to be determine by experience.

Immersion cleaning

(a) Dilutions ranging from 1 part ARDROX 6333 plus 4 parts water to 1 part ARDROX 6333 plus 3 parts water (by volume) at 60 to 75°C

(b) Undiluted at ambient temperatures.

General hard surface cleaning / floor cleaning

Dilutions up to 1 part ARDROX 6333 plus 4 parts water (by volume). Manual or mechanical application.

Method of control

Restore the volume of the tank to its original level, if necessary, by adding water. Thoroughly mix and take a sample of 50-100ml. After allowing to cool to ambient pipette 10ml of this solution into an Erlenmeyer flask, add about 50ml distilled water and 5-10 drops of Indicator solution No.16. Titrate against Testing solution No.9 to a colour change from yellow to red. Record the volume used as (V)ml, then the bath strength is calculated as follows:

Strength (% ARDROX 6333) = V

For each percentage point that the strength is low, add 1.0 litre of ARDROX 6333 for each 100 litre of bath solution.

Effects on materials

When ARDROX 6333 is used in the prescribed manner, no significant corrosion will occur on the majority of metals including steel, aluminium, magnesium, copper, and cadmium plating. It has no deleterious effect on good quality paint schemes under normal conditions of use.

Technical information

Appearance:	Pale yellow liquid.
Density:	1.07 g/ml at 20°C.
Flash Point:	Non flammable.
pH:	12.3

These are typical values and do not constitute a specification.

Store in a cool place, with protection from freezing conditions.

Equipment materials

Stainless steel or mild steel are 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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