ARDROX®

Ardrox 6333A

Low foam alkaline cleaner

Scope

ARDROX 6333A is an aqueous based liquid concentrate containing a blend of alkali builders, corrosion inhibitors and wetting agents.

ARDROX 6333A is a multi-metal cleaner for spray washing machine, tank immersion or pressure spraying applications. It can be used to remove oils, greases, and other production soils from ferrous metals, aluminium, copper, titanium and magnesium.

Chemicals required

ARDROX 6333A

Method of use

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

In immersion tanks

Ardrox 6333A is mixed with water at a concentration range of 5…10% and then heated to 60…75°C. parts should be immersed for 5…10 minutes and then rinsed in water. Agitation at elevated temperatures is recommended.

In spray washing machines

Ardrox 6333A is mixed with water at a concentration range of 2…10% and then heated to 45…75°C. The parts are sprayed with the mix and then rinsed with water.

Engine and component cleaning

Ardrox 6333A is applied using hot or cold high pressure equipment. The dilutions are to be determined by experience.

Testing chemicals required

Indicator solution #2 (methyl orange)

Testing solution #9 (0.1N sulphuric acid solution)

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…100 ml.

[Method of control – cont]

After allowing to cool to ambient pipette 5 ml of this solution into an Erlenmeyer flask, add about 50 ml distilled water and 5…10 drops of Indicator Solution #2. Titrate against Testing Solution #9 to a colour change from yellow to pink. Record the volume used as (V) ml, then the bath strength is calculated as follows:

Strength (% v/v ARDROX 6333A) = V x 1.1

For each percentage point that the strength is low, add 1.1 litres of ARDROX 6333A for each 100 litre of bath solution.

Effects on materials

When ARDROX 6333A 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.

Equipment materials

Tanks, heating coils, baskets and racks can be constructed from mild steel.

Technical information

Appearance:	Amber coloured liquid.
Density:	1.12 g/ml at 20°C.
pH:	11.6 (5% v/v solution)

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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