

Penetrant remover

Scope

ARDROX 9881 is a blend of biodegradable surface active agents, coupling solvent, bactericide and corrosion inhibitor. It is low in sulphur, halogen and alkali metal content.

ARDROX 9881 is a hydrophilic type emulsifier used for the removal of ARDROX 9812, ARDROX 9813 and ARDROX 9814 fluorescent penetrants.

Chemicals required

ARDROX 9981

Method of use

After suitable precleaning, penetrant application and the necessary penetrant contact time, the components are initially given either a spray or air agitated water rinse (for 1 to 3 minutes) before they are immersed in the ARDROX 9881 solution. The recommended concentration is 10% by volume in water and the product should not be used outside the range 5 to 20% by volume. The components should be completely immersed, withdrawn and allowed to drain. Drainings may be returned to the ARDROX 9881 tank. The total contact time should be determined experimentally and will be dependent on the material and its surface finish. The time should be adjusted to give the minimum necessary to give an acceptable level of background. The contact times below serve as a guide only.

Immersion time: 1½ minutes to 2½ minutes Drain time: 30 seconds.

After a suitable period of contact, the components are thoroughly rinsed either by spray rinsing or using air agitated water for the minimum period needed to give an acceptable level of background fluorescence. The components should then be thoroughly dried in an air-circulating oven at a temperature between 65 to 85°C using the minimum drying time before application of the developer (10 minutes maximum).

NOTE The above procedure is recommended for general use. Where relevant, the process specifications of the approving authorities must be closely followed.

Effects on materials

When ARDROX 9881 is used in the prescribed manner, no significant corrosion is likely to be encountered on commonly used metals.

Technical information

Appearance: Clear, light orange liquid.
Density: 1.01 g/ml at 20°C.
Flash point: Above 100°C (212°F).
These are typical values only and do not constitute a specification.

Equipment materials

Tanks should be constructed of stainless steel (grade 304 or equivalent).

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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