ARDROX® 9PR3

Lipophilic Emulsifier

PRIMARY APPLICATION

ARDROX 9PR3 is a lipophilic (Method B) emulsifier formulated for use with the Ardrox 981 series of post emulsifiable fluorescent penetrants.

CHEMICAL CHARACTERISTICS

Appearance	Pink to orange-red
Bulk Density	0.93 g/ml 68ºF (20ºC)
Flash Point	> 220°F (104°C)
Sulfur Content	< 500 ppm
Chloride Content	< 500 ppm
Flourides	3 ppm
Sodium Content	< 100 ppm
Water Content	> 5%

APPROVALS

Society of Automotive Engineers, AMS 2644, Method B Emulsifier.

APPLICATION PROCEDURE

After properly cleaning the component to be inspected, apply the penetrant, allow sufficient penetrant contact time, and remove excess penetrant with Ardrox 9PR3.

1. Use full strength Ardrox 9PR3, as supplied.
2. Immerse the component completely in Ardrox 9PR3, withdraw the component, and allow it to drain. Normal immersion time ranges between 15 and 60 seconds and drain time ranges from 15 to 120 seconds. The total contact time should be determined experimentally and will depend on the type and finish of the surface. Immersion and drain times should be the minimum necessary to give an acceptable level of background.
3. Rinse the component thoroughly using a water spray.

4. Dry the components completely in an air circulating oven, the minimum dry time necessary, before applying the dry powder or non-aqueous developer.

NOTE: If using aqueous developers, apply prior to drying.

NOTES ON USE (See Safety Data Sheet)

Small amount of gelling is natural with this product.

EFFECTS ON MATERIALS

The Ardrox 9PR3 has no effect on most common materials of construction. It is safe to use on steel, aluminum, brass, bronze, copper, magnesium, cadmium plate and titanium. Some plastics and rubbers may be stained or softened by prolonged contact with it and it is advisable to check before using specific grades of these materials.

SAFETY AND HANDLING

Prior to handling and use of any of the materials referenced in this document, the Safety Data Sheets should be read and understood by all personnel in contact with these materials.

KEEP OUT OF REACH OF CHILDREN

STORAGE

Dry indoor storage at temperatures between 40°F and 100°F (4.4°C and 37.8°C) is recommended, away from any incompatible materials referenced in the Safety Data Sheets. All containers should be tightly closed when not in use.

SHELF LIFE

The shelf life for Ardrox 9PR3 is 3 years.

DISPOSAL

Any disposal of the materials referenced in this document should be in accordance with all applicable federal, state, providential and local regulations. The process solution can contain components other than those present in the materials as supplied. Analysis of process solutions may be required prior to disposal.

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