

ARDROX[®] BASE OIL HF

MAGNETIC INK CARRIER FLUID

1 Description

Ardrox[®] Base Oil HF is a hydrocarbon fluid base for the dispersion of magnetic particle inks. This vehicle for magnetic particle inspection is classified as a Type 1 according to AMS 2641.

Ardrox[®] Base Oil HF is available as bulk material. It is typically used to form a fluorescent magnetic ink with Ardrox[®] 8505 dry powder.

Conformances

✓ ASME	Boiler & Vessel Code, Section V, Article 7
✓ ASTM	E-1444M
✓ CEN	ISO 9934-2
✓ Pratt & Whitney	PMC 1887 (approval)
✓ SAE	AMS 2641 Type 1
✓ SAFRAN	IN-5300

Ask your Chemetall representative for a complete list of approvals

2 Typical Properties

Property	Ardrox [®] Base Oil HF
Appearance	Clear liquid
Density at 20°C	Approx. 0.80 g/ml
Flashpoint (Method ASTM D93)	Approx. 105°C

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

3 Method of Use

Dry powder magnetic particles should be added at the recommended concentration directly to the diluent. The mixture should be agitated thoroughly to ensure a good dispersion.

Application of the prepared inks may be by spray, flow-on or immersion. Please refer to the data sheet of the dry powder magnetic particles for specific instructions.

4 Effects on materials

When Ardrox[®] Base Oil HF is used in the prescribed manner, no significant corrosion will occur on most metals materials. Equipment/tanks should be constructed of stainless steel.

5 Storage

Store in a cool place, with protection from freezing conditions. Shelf life of Ardrox[®] Base Oil HF is 36 months.

6 Labor and environmental protection

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

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.

7 General Information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metal working and protection and non-destructive testing. Sales Executives are available to advice on specific problems and applications.

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