

Ardrox[®] Base Oil HF

Magnetic Particle Carrier Solvent

PRIMARY APPLICATION

Ardrox[®] Base Oil HF is a high flash petroleum based solvent used for suspending Magnetic Particle Inspection particles. This suspension is used during the Magnetic Particle inspection process in both stationary and mobile magnetizing equipment. **Ardrox[®] Base Oil HF** is used for both visible and fluorescent MPI applications.

CHEMICAL CHARACTERISTICS

Specific Gravity.....	0.820
Lbs. Per Gallon.....	6.83
Refractive Index.....	1.452
Flash Point °F.....	215
Color.....	Water-White
Odor.....	None
K.B. No.	29.0
Aniline Pt. °F.....	172
F.I.A.	
Saturates %.....	100.0
Aromatics %.....	None
Olefins %.....	None
Heat of Vaporization (BTU/Lb.).....	113
Molecular Weight, Avg.....	203
Vapor Pressure @ 68 °F (mm of mercury).....	0.07
Distillation	
Initial Boiling Point °F.....	452
Viscosity at 100 °F.....	2.4 cSts = 34.5 SUS

APPLICATION PROCEDURE

For stationary MPI equipment, the suspension is held in a sump at the base of the unit and is applied to the part being inspected by a spray flow-on system supplied from the sump re-circulating pump. For mobile or portable equipment, apply the suspension by spray from a pressure pot fitted with a stirrer. Aerosols are also appropriate for this type of magnetizing equipment.

APPROVALS

A-A-59230 (formerly DOD F-87935)
AMS 2641
Pratt & Whitney PMC-1887

SAFETY AND HANDLING

Prior to handling and use of any of the materials referenced in this document, the Material 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 is recommended, away from any incompatible materials referenced in the Material Safety Data Sheets. All containers should be tightly closed when not in use.

SHELF LIFE

The shelf life is 3 years, 2 years for aerosols.

DISPOSAL

Any disposal of the materials referenced in this document should be in accordance with all applicable federal, state, 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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Contact David Eldredge (435) 401-1386 ...de@naltic.com... www.naltic.com