

Hydransafe HFA E3

Water-emulsifying hydraulic fluid concentrate without formaldehyde

APPLICATIONS

Hydraulic circuits.

Hydransafe HFA E3 is a water emulsifying hydraulic fluid concentrate.

Hydransafe HFA E3 is dedicated to the lubrication of hydraulic circuits when for safety reasons fire resistant HFA type fluids are required (furnaces, mold injection machines, continuous casting units, mines, steel mills, foundries...).

Recommended proportions: 3 to 5% in a soft water (TH < 10°F).

Operating temperature range: + 5 to + 55°C.

SPECIFICATIONS

ISO 6743/4 - HFAE

ISO 12922

ADVANTAGES

Very easy implementation by pouring Hydransafe HFA E3 into a good quality water.

Forms with water a very stable milky emulsion.

Excellent stability overtime.

Good antiwear properties.

Excellent anti foam properties.

Good anti-corrosion, anti-rust properties even with a soft water.

Good resistance to bacterial growth.

APPROVALS

Meets the requirements of SMS group

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Hydransafe HFA E3	
			Concentrate	3% emulsion
Appearance	-	Visual	Clear	Milky white
Density at 15°C	kg/m ³	ISO 3675	890	-
Viscosity at 40°C	mm ² /s	ISO 3104	34	-
pH	-	NFT 60 193	-	8.8
Refractometric correcting factor	-	-	1.1	1.1

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com