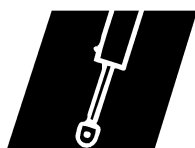


# HYDRANSAFE HFA-S5



Lubrication

Fire resistant hydraulic fluid.

## APPLICATIONS

### Hydraulic fluid

- **HYDRANSAFE HFA-S5** is a synthetic water soluble hydraulic fluid concentrate, for use in hydraulic systems that are equipped to operate with fire resistant hydraulic fluid type HFA, water solutions.
- **HYDRANSAFE HFA-S5** is normally used as a concentration of minimum 3% in demineralized water or tap water.
- **HYDRANSAFE HFA-S5** is designed for operating in possible fire risk areas, such as in Coke Oven Plants and Rolling Mills in the steel industries, in Mining and in Foundry.
- Operating temperature range is from + 5 to 55°C.
- Storage temperature of + 5°C to + 50°C is recommended.

## SPECIFICATIONS

### International Specifications

- ISO 6743/4 HFAS
- **HYDRANSAFE HFA S5** is homologated by Hilleader.

## ADVANTAGES

- **HYDRANSAGE HFA-S5** produces a single phase, extremely stable, mineral oil free solution once put in a clean hydraulic system in quality water.
- **HYDRANSAFE HFA-S5** solution has a very low foam tendency and is compatible with the usual type of elastomers used in HFA type of hydraulic installations (ISO 6072 NBR and FKM).
- **HYDRANSAFE HFA-S5** solution provides excellent protection against corrosion to metals normally used in hydraulic systems (ISO IP 287).
- **HYDRANSAFE HFA-S5** solution is very resistant to bacterial and fungal growth. Its durability provides a long life time of the solution and reduces maintenance - with service intervals longer than mineral oil based HFA emulsions (type HFAE fluids).

TYPICAL CHARACTERISTICS	METHODS	UNITS	HYDRANSAFE HFA-S5
Appearance	Visual		Yellow - brown solution
Density at 15 °C	DIN 51757	kg/m <sup>3</sup>	1088
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	8
<u>3 % solution in water</u>			
pH	DIN 51369		9.2
Corrosion test	DIN 51360-2	Rating	0

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
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HYDRANSAFE HFA-S5  
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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 adviser or down loaded from

TOTAL Classification: Restricted Distribution

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