TECHNICAL DATA SHEET

HOUGHTO-SAFE® 620 E

FIRE RESISTANT HYDRAULIC FLUID (ISO6743-4 TYPE HFC – WATER GLYCOL)

HOUGHTO-SAFE® 620 E is a premium performance, water containing, synthetic hydraulic fluid.

HOUGHTO-SAFE® 620 E greatly reduces risks where hydraulic equipment operates near flames, hot surfaces or molten metals.

Applications

HOUGHTO-SAFE® 620 E is particularly suited to oil hydraulic systems that require a balanced combination of fire resistance and good lubrication.

HOUGHTO-SAFE® 620 E has set, for over 50 years, a global benchmark in steel and aluminium production, pressure die-casting, glassmaking, polymer forming and many other high fire risk industries.

Recommendation For Use

Use as supplied, without dilution.

Additional Product Data

- HOUGHTO-SAFE® 620 E passes ISO20763 standard tests in a Vickers V104 Vane Pump. It gives less than 100mg weight loss at 140bar, where many water glycols fail.
- HOUGHTO-SAFE® 620 E passes ISO4404-1 corrosion tests and is suitable for use with steel, copper, brass and anodised aluminium.
- HOUGHTO-SAFE® 620 E contains vapour phase corrosion inhibitors to protect reservoirs and part-filled systems.
- HOUGHTO-SAFE® 620 E is low foaming, meeting the defoaming requirements as set in ISO6247 to minimize the risk of cavitation and air entrainment.

Benefits

- High security against fire
- Increased operator safety
- Lower insurance premiums
- Increased plant security and availability
- Increased productivity

Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear, red liquid	
Specific Gravity @ 15.5°C	1,08	
pH	9,8	
Water content	40	%
Kinematic Viscosity @ 40°C	39	cSt
Kinematic Viscosity @ 20°C	90	cSt
Pour Point	-45	°C
Flash Point	None	°C (ASTM D92)
Fire Point	None	°C (ASTM D92)

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 200010

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