

# HOUGHTO-SAFE 620 E

Fire Resistant Hydraulic Fluid (ISO6743-4 Type HFC – water glycol)

## DESCRIPTION

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

It 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 for over 50 years set 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.

## TYPICAL PHYSICAL PROPERTIES

<i>Appearance</i>	<i>Clear, red liquid</i>
<i>Specific Gravity @ 15.5°C</i>	<i>1.09</i>
<i>Kinematic Viscosity @ 40°C cSt</i>	<i>39</i>
<i>pH</i>	<i>9.5</i>
<i>Pour Point °C</i>	<i>minus 45</i>
<i>Flash Point °C (ASTMD92)</i>	<i>None</i>
<i>Fire Point °C (ASTMD92)</i>	<i>None</i>
<i>Water content %</i>	<i>40</i>

## BENEFITS

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

## ADDITIONAL PRODUCT DATA

HOUGHTO-SAFE 620 E meets or exceeds the requirements of C.E.C. (Luxembourg 7th Report).

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, to minimise the risk of cavitation and air entrainment. In tests to ISO6247 it gives a result of 230/0 at 25°C.

## RELATED PRODUCTS

Houghton specialises in fire resistant fluids of all categories, under the brands HYDROLUBRIC, HOUGHTO-SAFE, ISOCOR and COSMOLUBRIC. We complement these with a wide range of oil based hydraulic and lubricating fluids, under Houghto-Drive and Sta-Put brands.

For more information, please contact your local Houghton representative.

## STORAGE

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

## HEALTH AND SAFETY

Safety data sheets are available in accordance with Regulation (EC) No 1907/2006 Annex II where a substance or preparation meets the criteria in accordance with Directives 67/548/EEC or 1999/45/EC.

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Houghton plc  
Beacon Road, Trafford Park  
Manchester M17 1AF

Tel +44 (0) 161 874 5000  
Fax +44 (0) 161 874 5001  
E-mail  
uk.enquiries@houghtoneurope.com  
<http://www.houghtonintl.com>

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