



TELEX HFC

INDUSTRY

Description

Telex HFC is a fire-resistant hydraulic fluid based on a mixture of water and glycol. It is a fluid designed primarily to replace mineral oil hydraulic systems where there is a high risk of fire.

It contains approximately 37% water and has been designed for use in the metallurgical industry which requires excellent lubrication and where extreme operating conditions prevail. The loss of water content can result in increased viscosity and would require the addition of deionised water to recover the properties.

Recommended uses

It is especially suitable for hydraulic systems which, due to their characteristics or location, are at risk of going on fire and where the fluid does not exceed 60° C. It is therefore an enhanced security fluid in mines, the steel industry, manufacturing parts industries (such as smelting) or for plastic deformation of parts such as forges or presses.

Properties

- Excellent lubrication.
- Very good filterability.
- Great shear stability.
- Fire-resistant fluid.

Quality level

- ISO 6743/4 – HFC
- ISO 12922 – HFC
- 7th Luxembourg Protocol

Technical characteristics

| | UNIT | METHOD | VALUE |
|-------------------------------------|-------------------|---------------|-------|
| ISO Grade | | | 46 |
| Density at 15°C | g/cm ³ | ASTM D 4052 | 1.080 |
| Viscosity at 40°C | cSt | ASTM D 445 | 46 |
| Rust, method A | | ASTM D 665 | Pass |
| Pour point | °C | ASTM D 97 | -48 |
| Corrosiveness to copper 3h at 100°C | | ASTM D 130 | 1b |
| 4 Balls, scar diameter at 40 kg | mm | ASTM D 4172 | 0.95 |
| Filterability | | NFE 48692 | 1.06 |
| Ignition test in spraying | | ISO 15029-1 | Pass |
| Flame persistence | | ISO 14935 | Pass |
| Ignition in tube | | CETOP RP 65 H | Pass |

Available in

Bulk, 875 kg containers and 185 kg drums.

■ Hazard identification

This product is harmful if swallowed.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

■ Health and Safety Hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash thoroughly with water.

General measures: Seek medical advice.

■ Fire-fighting measures

No special measures required.

Fire-extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.

Technical data sheet for Lubricants. Review 2. December 2008.