



POWER SAFEFLUID SE 46 & 68

Fire-resistant Hydraulic Fluid (HFD-U type)

POWER SAFEFLUID SE hydraulic oils are based on high quality synthetic organic esters and selected additives. POWER SAFEFLUID SE replace anti wear mineral oil fluids when fire hazards exist and in environmental sensitive applications.

POWER SAFEFLUID SE can help to achieve ISO 14001 standards or comply with legal and tax advantage programs. POWER SAFEFLUID SE offer the lubrication level of premium anti-wear hydraulic oils and can be used with hydraulic components from all major manufacturers.

POWER SAFEFLUID SE range meets the approval evaluation criteria of the following manufacturers:

- **Bosch Rexroth**
- **Eaton-Vickers**
- **Hitachi Construction**
- **Rollstar**
- **David Brown**
- **Textron Transmission**
- **Komatsu**
- **Mitsubishi**

Properties	Typical Values	Typical Values
ISO Viscosity Grade	46	68
Kinematic viscosity @ 40°C cSt	46	68
Kinematic viscosity @ 100°C cSt	9.1	12.5
Viscosity Index	185	185
Flash point, °C	300	300
Pour Point, °C	-30	-30
Density 15 °C	0.925	0.930
Foam Test 25 °C ml/ml	0 / 0	0 / 0
Gear lubrication FZG	> 12 stage	> 12 stage

APPLICATIONS: POWER SAFEFLUID SE fluids are used in hydraulic systems and power transmission systems with non-EP conditions. Compatible with seal materials and paints normally specified for use with mineral oil fluids.

Disclaimer: APAR makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility.



KEY FEATURES :

- High ignition temperature and low heat release, properties that limit the spread of fire.
- Fully biodegradable (OECD 301B)
- Meet requirements of DIN 51524 part 3 and ISO 15380
- High oxidation stability (IP 48) only 5% viscosity increase after 350 hours at 100 °C with 15 liters/hour air flow.
- POWER SAFEFLUID SE fluids are compatible and miscible with nearly all mineral oil and polyol-ester based hydraulic fluids, but **NOT compatible with water containing fluids**. For conversion please contact APAR INDUSTRIES LTD authorized representatives.

HEALTH, SAFETY & ENVIRONMENT :

POWER SAFEFLUID SE is not expected to produce any significant health & safety hazard when used properly in intended application. However, avoid skin contacts by using proper gloves. After skin contact, wash immediately with soap and water. For details, follow Material Safety Data Sheet.

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