

ORITES DS 270



Lubrication



Synthetic lubricant of Polyglycol type with inherent anti-wear properties.

APPLICATIONS

Lubrication of Ethylene (Hyper-)compressors

- « Once through » lubrication of Ethylene (hyper-)compressors.
- Meets the food-grade polyethylene production requirements.
- **ORITES DS 270** has been tested and approved by BURCKHARDT Compression at high level of pressure.

SPECIFICATIONS

International specifications O.E.M.'s

- ISO 6743-3, DGC class (Gases with high solubility in mineral oil that reduce viscosity).
- **ORITES DS 270** is NSH-H1 registered (reference n° 133732) for incidental contact with food.
- **ORITES DS 270** is a polyglycol based oil produced from components listed in the European Directive 2002/72/EC relating to plastic materials and articles intended to come into contact with foodstuffs.
- **ORITES DS 270** has been tested and approved by BURCKHARDT Compression where very high level of pumpability has been reached.

ADVANTAGES

Process reliability

Valorization of the end product

- Highly increased lifetime of packings.
- High oil film resistance towards Ethylene and good lubricity.
- Outstanding viscosity / pressure behaviour.
- Good behaviour in Polyethylene.
- Food-grade approval of the end-product which is colour- and odourless.

HANDLING-HYGIENE-SAFETY

Food-grade approval

Warning !

- In accordance with most of the European Countries regulations on food-grade packaging materials (Please consult us) and with the FDA (US).
This product is water soluble, not miscible with hydrocarbons and compatible only with epoxy based paints. Apart from polyurethanes, compatibility with current elastomers is good. Please refer to us if any doubt.

TYPICAL CHARACTERISTICS	METHODS	UNITS	ORITES DS 270
Density at 15 °C	ISO 12185	Kg/m ³	1090
Viscosity at 40 °C	ISO 3104	mm ² /s	270
Viscosity at 100 °C	ISO 3104	mm ² /s	45
Viscosity index	ISO 2909	-	220
Flash point (open cup)	ISO 2592	°C	245
Pour point	ISO 3016	°C	- 9

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
16-06-2008 (supersedes 18-07-2007)
ORITES DS 270
1/1



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 www.quick-fds.com.