

# ORITES TW 220



Compressor Lubricants



Food grade white oil used for the lubrication of ethylene hyper compressors and for the lubrication of piston-reciprocating compressors dedicated to NH<sub>3</sub> synthesis.

## APPLICATIONS

Lubrication of piston-reciprocating compressors

Lubrication of Ethylene (Hyper-)compressors

- **ORITES TW 220** is specially formulated to lubricate piston-reciprocating compressors used for NH<sub>3</sub> synthesis.
- **ORITES TW 220** is Sulphur-free : protection of the "Iron Oxide" catalyst mostly used in NH<sub>3</sub> synthesis.
- **ORITES TW 220** is a food grade compressor lubricant especially designed for ethylene hyper-compressors.
- **ORITES TW 220** is compatible with polyethylene process.
- **ORITES TW 220** has been tested and approved by Burckhardt Compression at high level of pressure.

## SPECIFICATIONS

International specifications

O.E.M.'s

- **ORITES TW 220** is NSF-H1 registered (n° 137 645): Oil, suitable for incidental food contact.
- **ORITES TW 220** is Kosher and ISO 21469 certified.
- **ORITES TW 220** is a thickened pharmaceutical white 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 TW 220** has been tested and approved by Burckhardt Compression where very high level of pumpability has been reached.

## ADVANTAGES

Process reliability

Food-grade approval

- **ORITES TW 220** provides good lubrication of compressor cylinders for good lifetime of packings.
- **ORITES TW 220** is compatible with polyethylene process and suitable for applications where a contact with food could occur.
- **ORITES TW 220** has a high level of purity which will not modify polyethylene properties.
- **ORITES TW 220** is NSF-H1 registered for incidental food contact and is colorless and odourless.

TYPICAL CHARACTERISTICS	METHODS	UNITS	ORITES TW 220
Color	ASTM D 1500		0.5
Density at 15 °C	ISO 12185	kg/m <sup>3</sup>	875
Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	220
Viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	19.2
Pour point	ISO 3016	°C	- 24
Flash point (open cup)	ISO 2592	°C	250

Above characteristics are mean values given as an information.

### Recommendations:

- Store the product from 0°C to 40°C.
- **Shelf life: 36 months** from date of manufacture (unopened).

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
18-05-2010 (supersedes 29-09-2009)  
ORITES TW 220  
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](http://www.quick-fds.com).