

### Anderol<sup>®</sup> PQ CAL

Anderol<sup>®</sup> Food grade lubricants other applications

#### Description

##### HT1 Food Grade Heat Transfer Fluid

**Anderol<sup>®</sup> PQ CAL** Food Grade Heat Transfer Fluid is a non-hazardous, non-toxic and odorless heat transfer fluid which is authorized for incidental food contact.

All fluid components comply with FDA 21 CFR 178.3570 "Lubricants with incidental food contact".

**Anderol<sup>®</sup> PQ CAL** is registered by NSF as HT1, and is classified Kosher and Halal.

**Anderol<sup>®</sup> PQ CAL** consists out of base oil, created by special hydro cracking-, solvent de-waxing- and distillation.

#### Features and Benefits

- Excellent thermal stability.
- Low risk of oxidative degradation.
- High performance.
- Clear and transparent.
- Almost odourless.

#### Compatibility

**Anderol<sup>®</sup>** highly refined oil based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses.

No special precautions related to compatibility are required when changing over from a mineral oil lubricant to this product.

#### Application

**Anderol<sup>®</sup> PQ CAL** is recommended for use in liquid phase heat transfer systems used in food processing operations.

The product can be used between  $-15^{\circ}\text{C}$  and  $325^{\circ}\text{C}$ . The maximum film temperature of  $345^{\circ}\text{C}$  should not be exceeded.



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#### Technical data\*

PROPERTY	METHOD	ANDEROL PQ CAL		
Viscosity @ 40°C, cSt	ASTM D-445	32-40		
Flash Point, °C	ASTM D-92	Typ. 245		
Pour Point, °C	ASTM D-97	-15		
Max. film temperature, °C		345		
Boiling Point, °C	ASTM D-1160	>340		
Max. bulk temperature, °C		325		
PROPERTY	0°C	100°C	300°C	
Density, g/ml	0.874	0.811	0.682	
Viscosity, mm <sup>2</sup> /s	373.2	5.8	0.68	
Thermal conductivity, W/mK	0.154	0.137	0.128	
Heat capacity, kJ/kgK	2.11	2.43	3.07	
Vapor pressure, bar abs	0	0	0.08	

\*The analytical data are guide values.



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Consult safety data sheet (SDS) for additional handling information on **Anderol<sup>®</sup> PQ CAL**

This product is NSF H1, Kosher, Halal registered and produced in a ISO 21469 certified plant.

For registrations, certificates and approvals please refer to [anderol.com](http://anderol.com)

® = registered trade mark

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