

# HFC - PVE

## Refrigeration Lubricant



### Description

HFC Polyvinyl ether (HFC - PVE) is a refrigeration lubricant specifically formulated for use with HFC refrigerants and compressors operating at low temperatures. Formulated with antioxidant and anti-wear additives, it can be used in all hermetic compressors due to its low electrical conductivity.

HFC - PVE is soluble and compatible with all refrigeration lubricants commonly used in HVAC/R systems. HFC - PVE does not hydrolyse and is characterised by an excellent stability in the presence of moisture.

It is also ideal for retrofitting.

### Physical and Chemical Properties

Physical Quantity (Unit of Measurement)	Analytical Method	HFC - PVE 32	HFC - PVE 68
ISO VG	/	32	68
Kinematic Viscosity at 40°C (cSt)	ASTM-D445	32.4	66.6
Kinematic Viscosity at 100°C (cSt)	ASTM-D445	5.12	8.04
Viscosity Index	ASTM-D2270	78	84
Pour Point (°C)	ASTM-D97	-47.5	-37.5
Flash Point (°C)	ASTM-D93	178	206
Density at 15°C (g/cm <sup>3</sup> )	ASTM-D1298	0.925	0.937
Moisture Level (ppm)	ASTM-D6304	>200	>200
Total Acid (mg KOH/g)	ASTM-D974	0.01	0.01

### Refrigerant Gas Compatibility

HFC - PVE is compatible with the following refrigerant gases: HFC, R134A, R404, R407C, R410A

### Categorisation and Labelling

This technical specification is only applicable when it comes with the current Safety Data Sheet. In accordance with legal requirements, only the Safety Data Sheet contains current safety information. The MSDS is available on request.

### Safety Instructions

Avoid contact with skin and eyes, inhalation of vapours and mists.

Keep the container tightly closed.

Keep away from heat, hot surfaces, sparks, open flames, or other ignition sources. Read the label and the MSDS before use.

The MSDS is available on request.

### Chemical Substance Inventory

HFC - PVE is recorded in the following chemical inventories:

REACH	TSCA	KECL	IECSC
EU	USA	Korea	China

## Storage Instructions

Store below 20°C. Keep away from open flame, heat, or direct sunlight.  
Keep away from open flame, heat, or direct sunlight.  
Store in a dry and cool place.  
Never expose to temperatures above 50°C.

## Transport Conditions



This product is not regulated for transport according to ADR/RID, IMDG, ICAO/IATA.

## Shelf Life



5 years from the date of production.  
After this period, the product may still be used subject to successful checks on the performance requirements.

## Packaging

### HFC - PVE 32

Art.-Nr.	Qty			Packaging
OL6097.K.01	1 L	12	672	
OL6097.P.01	5 L	02	152	
OL6097.UV	5 Gal	01	-	Metal Tank
OL6097.V	20 L	01	24	
OL6097.T	25 L	01	24	
OL6097.B	200 L	01	04	

### HFC - PVE 68

Art.-Nr.	Qty			Packaging
OL6098.K.01	1 L	12	672	
OL6098.P.01	5 L	02	152	
OL6098.UV	5 Gal	01	-	Metal Tank
OL6098.V	20 L	01	24	
OL6098.T	25 L	01	24	
OL6098.B	200 L	01	04	

