

CHEMLUBE® COOLANT PE SERIES

PAG/POE 10000+ HOUR COMPRESSOR LUBRICANTS

PRODUCT CODES: COOLANT 32 PE, COOLANT 46 PE

PRODUCT OVERVIEW

The Chemlube® Coolant Series is developed with a unique premium blend of polyalkylene glycol (PAG) and polyolester (POE) base stocks which together form a high-performance coolant for rotary screw air compressors. These products can essentially eliminate varnish and deposit formation through exceptional oxidation resistance and solubility. Coolant 32 & 46 PE also offer the following benefits: excellent heat transfer, long fluid life, high flash point, low pour point, low volatility, and excellent inherent wear protection. All factors lead to long term cost savings through improved efficiency, increased uptime, and extended machine life.

The Chemlube® Coolant Series was designed to offer a directly interchangeable replacement for OEM PAG coolants.

Chemlube® Coolant 32PE & 46PE are both readily biodegradable and may be used in most oil / water condensate units with modifications.

APPLICATION DETAIL

- Rotary screw compressors
- Vacuum pumps
- Centrifugal compressors

KEY BENEFITS

- Cost savings from extended service intervals (10000* hours)
- Elimination of varnish and deposits for clean operation
- Excellent anti-wear performance to extend machine component life
- Advanced heat transfer capability for efficient operation
- Reduced oil make-up costs from low volatility / low foaming formula design
- Readily biodegradable for reduced environmental impact

QUICK POINTS...

Name: *Coolant PE Series*

ISO Grade: *32/46, 46*

Base: *PAG + POE*

Additive System: *AO/CI*

Color: *Pale Yellow, Green*

Food Grade: *No*

GHS Class: *None*

Main Application: *Compressors*

TYPICAL CHARACTERISTICS**

PROPERTY	ASTM METHOD	COOLANT 32 PE	COOLANT 46 PE
ISO Grade		32/46	46
Viscosity, 40°C	D445	40	45.4
Viscosity, 100°C	D445	8.3	9.6
Viscosity Index	D2270	188	202
Specific Gravity, 20°C	D4052	0.99	0.99
Pour Point, °C	D97	-48	-50
Flash Point, °C	D92	272	265
Auto-ignition, °C	E659	>390	>390
Foaming Sequences I, II, III	D892	< 10/0	< 10/0

**Characteristics are typical of production. Slight variations in the actual data may occur which will not affect performance.

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RECOMMENDATIONS & APPROVALS

- ISO 6743/3 DAJ
- DIN 51506 VDL

COMPATIBILITY NOTES

- **NOT COMPATIBLE WITH MINERAL OILS OR PAO**
- Compatible with most process gases
- Good compatibility with common seal materials, plastics, and paints
- Test compatibility with polycarbonate materials

SHELF LIFE

- (5) years from date of manufacture when stored in unopened container
- Shelf life may be extended based upon fluid type and conditions

HEALTH & REGULATORY STATEMENTS

- Classified as non-hazardous per OSHA GHS
- TSE/BSE compliant: product does not contain any materials of animal origin or derivatives
- FALCPA compliant: product does not contain any allergens
- RoHS compliant: product does not contain any EU RoHS substances
- REACH compliant: product does not contain any SVHC substances
- Guidelines on safety and storage may be found on the associated Safety Data Sheet (SDS@ultracheminc.com)

PACKAGING AVAILABILITY

- 5-gallon pail (18.9 L)
- 55-gallon drum (208.2 L)
- 330-gallon tote (1249.2 L)
- (2) 2.5-gallon case (18.9 L)
- (6) 1-gallon case (22.7 L)

Please contact your Ultrachem, Inc. representative for detailed information not covered in this data sheet.



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We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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