

# Product Data Sheet

Effective Date 01.08.2014

Version 1.0



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## PETRONAS PRESSOL SYN CH

### Synthetic Hydrocarbon Gas Compressor Lubricant

**PETRONAS PRESSOL SYN CH** SERIES is a synthetic-based lubricant formulated for use in hyper-compressors and natural gas reinjection applications. It features higher film strength than traditional lubricants, protects against corrosion, is fully compatible with most compressor components, and minimizes the effect of H<sub>2</sub>S concentrations in sour gas.

PRESSOL SYN CH SERIES contains no animal fats or saponifiable products that interfere with well-bore treatment products.

#### Applications

- Intended for the cylinder lubrication of hyper compressors and in natural gas re-injection applications.
- May also be used as a cylinder lubricant for reciprocating compressors processing natural gas, carbon dioxide and other gases that require chemical resistance in an ISO 200 viscosity grade.

#### Features and Benefits

- Resists wash off by hydrocarbon gases and liquids
- Resists absorption into the gas phase and carry-over of the lubricant downstream
- Minimizes dilution effects due to insolubility of the lubricant with hydrocarbons
- Higher film-strength than traditional lubricants
- Protects against corrosion
- Fully compatible with most compressor component materials, including: seals, gaskets, hoses, etc.

#### Compatibility

PRESSOL SYN CH SERIES is recommended for;

- Acetone
- Alcohol
- Asbestos
- Butyl Dioxtol
- Chlorinated Solvents
- Glycol Ether
- Neoprene
- Epoxy Paint
- Silicone Rubber
- Toluene
- Torlon (AMOCO)
- Vespal (DuPont)
- Viton (DuPont)

PRESSOL SYN CH SERIES is Questionable for;

- Ethylene Glycol
- Triethanolamine
- Water

PRESSOL SYN CH SERIES is Not Recommended for;

- Gasoline
- Glycerol
- Heptane
- Kerosene
- Leather
- Methanol
- Oil-based paint

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#### Typical Properties

Characteristics	68	100	150
Kinematic Viscosity, cSt			
@ 40 °C	62	92	153
@ 100 °C	10.8	18.6	23.5
Viscosity Index	168	223	196
Pour Point, °C	-48	-40	-34
Flash Point, COC, °C	218	260	260
Fire Point, °C	241	277	282
Density, @ 15.6 °C, Kg/L	0.99	0.99	0.99
Copper Strip Corrosion, ASTM	1b	1b	1b
Foam Test, Seq 1, ml initial, ml final	0-0	0-0	0-0

\* All technical data is provided for reference only.

#### Health, Safety and Environment

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.