



TEGRA[®] SYNTHETIC BARRIER FLUID ISOCLEAN[®] CERTIFIED LUBRICANT

PRODUCT DESCRIPTION

Tegra[®] Synthetic Barrier Fluid ISOCLEAN[®] Certified Lubricant is used as a barrier fluid in dual mechanical seals found in pumps handling hydrocarbon liquids. Chevron ISOCLEAN Certified Lubricants have been certified to meet specified ISO Cleanliness standards at point of delivery using industry leading filtration and testing technology. ISOCLEAN Certified products are the first step for contamination control and maximizing component life.



CUSTOMER BENEFITS

Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant delivers value through:

- **Ready to use** — Enables users to meet stringent original equipment manufacturers' cleanliness standards for fill lubricants.
- **Flexibility** — ISO Cleanliness targets can be customized to fit your business application needs.
- **Peace of mind** — Each delivery of Chevron ISOCLEAN Certified Lubricant includes an ISOCLEAN Certificate of Analysis.
- **OE fluid cleanliness requirements** — Customized to meet specific equipment manufacturers' fluid cleanliness requirements.
- **Exceptional thermal and oxidation stability** — Long fluid life in high temperature operation.
- **Low coefficient of friction** helps minimize the operating face temperature of the seal to prevent blistering of the carbon seal face.
- **Excellent wear protection** helps minimize surface wear that can lead to early seal failure.
- **Protection in extreme conditions** — The barrier fluid's inhibition against rust and corrosion, foaming and oil oxidation provides excellent protection in extreme conditions.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

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FEATURES

Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant is formulated to perform as a barrier fluid in dual mechanical seals.

Manufactured from the highest quality polyalphaolefin base fluids, it helps provide protection against wear, oxidation, rust and corrosion, and foaming.

It has a low viscosity and excellent friction reducing ability. The fluid provides excellent low temperature fluidity and high temperature stability for performance over a wide temperature range.

Its light viscosity, high viscosity index, and friction reducing ability helps minimize high face wear and high operating face temperatures that can lead to blistering of carbon seal faces.

Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant's excellent oxidation stability, rust protection and foam inhibition helps provide protection to the seal under extreme conditions or in corrosive environments.

APPLICATIONS

Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant is designed to meet the needs of a barrier fluid for dual mechanical seals per API Standard 682, *Shaft Sealing Systems for Centrifugal and Rotary Pumps*. Dual mechanical seals are used to control emissions of volatile air pollutants from industrial equipment. Leading seal manufacturers recommend the use of low viscosity synthetic fluids for extended seal life of API Standard 682 dual mechanical seals.

Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant is compatible with a wide range of:

- process liquids and does not contain impurities that could lead to catalyst poisoning should it enter the process stream.

1 April 2019
IO-235 ISOCLEAN

- seal elastomers, including Buna N, nitrile, Neoprene, polyacrylate, fluorosilicone, Hypalon, and fluorocarbon.

It has a low Volatile Organic Compound (VOC) level, so that the barrier fluid itself will not be the source of volatile air pollutants in higher temperature applications.

Use of Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant will help provide very stable seal performance over a wide temperature range.

Tegra Synthetic Barrier Fluid ISOCLEAN Certified Lubricant helps maximize the life of the dual mechanical seal by minimizing the operating face temperature and surface wear.

Consult with your Chevron Lubricant Representative or Chevron ISOCLEAN Certified Lubricants Marketer to set specific ISO Cleanliness targets for your business application.

TYPICAL TEST DATA

<i>Product Number</i>	278096
<i>SDS Number</i>	
<i>U.S.</i>	6952
<i>Canada</i>	30480
<i>Mexico</i>	6952MEX
<i>Colombia</i>	32735
API Gravity	40.9
Viscosity, Kinematic	
cSt at 40°C	17.1
cSt at 100°C	3.9
Viscosity, Saybolt	
SUS at 100°F	91.5
SUS at 210°F	39.5
Viscosity Index	127
Flash Point, °C(°F)	228(442)
Pour Point, °C(°F)	-73(-99)
Volatile Organic Compound (VOC), g/liter, ASTM E1868-10	< 10.0

Minor variations in product typical test data are to be expected in normal manufacturing.

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