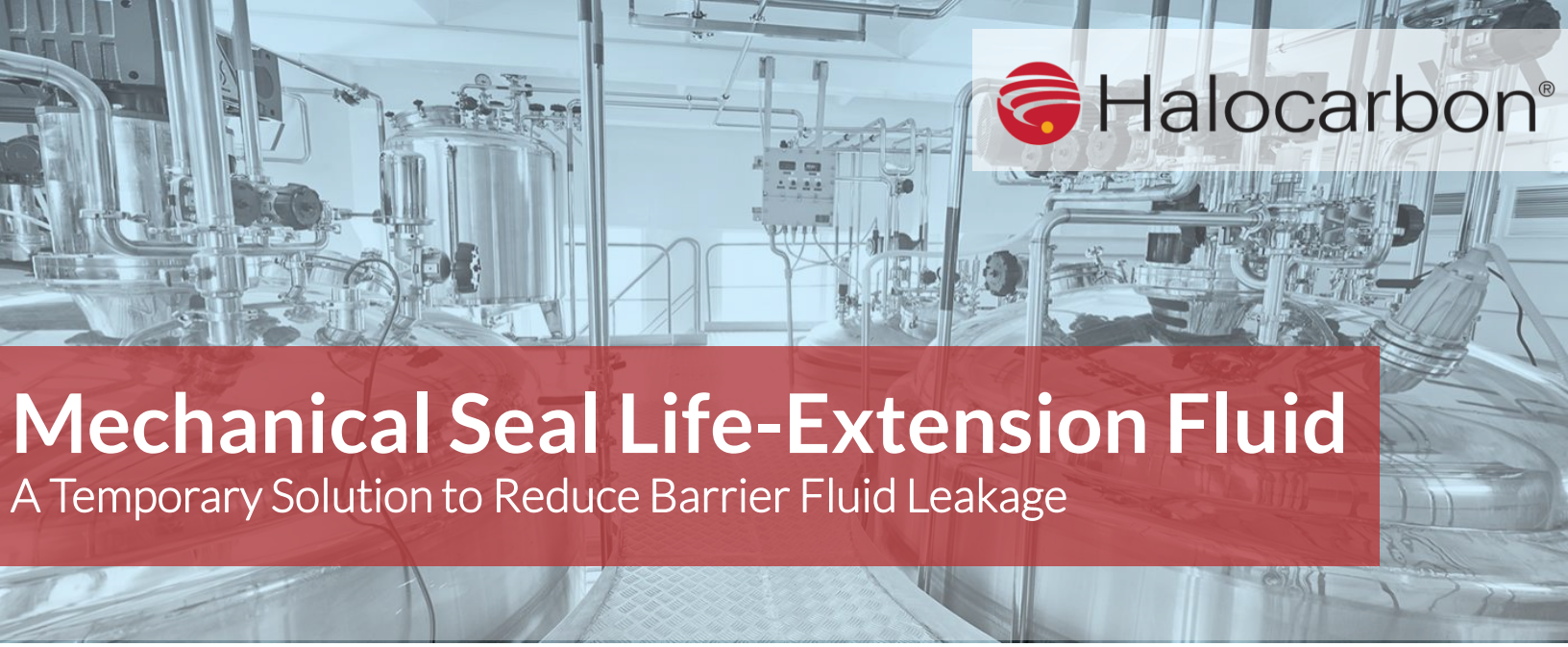


Mechanical Seal Life-Extension Fluid

A Temporary Solution to Reduce Barrier Fluid Leakage

Halocarbon MSXT

Mechanical seals have the tendency to leak. In cases where these leaks occur at inopportune times, especially situations where critical chemical processes or operations cannot be stopped for maintenance of the mechanical seal, a solution is required to provide a short-term extension of mechanical seal life.

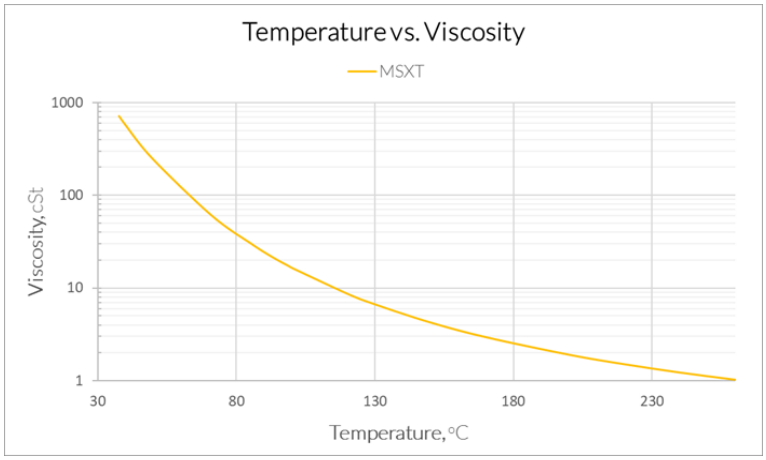
Designed with Your Needs in Mind

For situations where a leaking or failing mechanical seal cannot be shut down for maintenance, Halocarbon has formulated a high-viscosity PCTFE-based oil, MSXT, that can be effectively employed in combination with other PCTFE-based Halocarbon Mechanical Seal Barrier Fluids to extend the life of a mechanical seal to complete a critical operation in a safe and reliable manner.

Halocarbon MSXT can be added directly to a barrier fluid reservoir to slow the leak rate of the barrier fluid into the process. MSXT is also available either with or without a corrosion inhibitor.

In cases where the seal failure results in large openings to the process, the system will necessitate a shutdown to ensure safe operation.

Contact a Halocarbon Technical Representative to determine if Halocarbon MSXT is right for you.



Safe, Reliable and Long-Lasting Performance

Halocarbon Mechanical Seal Barrier Fluids are intrinsically nonflammable and nonreactive. Unlike glycol-, alcohol-, hydrocarbon-, mineral oil-, or silicon-based barrier fluids, Halocarbon Mechanical Seal Barrier Fluids are chemically inert, making them ideally suited for use in applications that involve strong acids or bases, flammable solvents, hydrocarbons, corrosive chemicals, strong oxidizers, and reactive gasses.

Key Performance Characteristics

- Safe to handle, nontoxic
- Nonflammable
- Low temperature fluidity
- High thermal stability
- No Flash Point
- No Autoignition Point
- Clean, no sludge formation
- Compatible with most metals, plastics, and elastomers
- Good heat transfer properties
- Excellent sealing and lubricating properties

Properties	Units	MSXT
Kinematic Viscosity *ASTM D445*		
@ 0 °C (32 °F)	*cSt*	147,600
@ 40 °C (104 °F)	*cSt*	576
@ 100 °C (212 °F)	*cSt*	16.5
@ 150 °C (302 °F)	*cSt*	4.24
Vapor Pressure @ 40 °C *ASTM D2879*	*torr*	$5x10^{-5}$
Density @ 25 °C *ASTM D4052*	g/cm^3	1.97
Thermal Conductivity *(W/m*K)* @ 25 °C *ASTM D2717*		0.071
Specific Heat *(J/(g-K))* @ 40 °C *ASTM E1269*		1.0
Pour point *ASTM D97*	*°C (°F)*	5 (41)
Initial Boiling Point	*°C (°F)*	~330 (~626)

Let's create your next **BREAKTHROUGH™**

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