



## Anti-Rust Coating for Bearings

### Product Information

New, unlubricated components and bearings are typically coated with hydrocarbon-based rust preventive oils to prevent corrosion during storage. Prior to lubricating components and bearings with Krytox™ oils and greases, it is important to remove these preservatives, because standard rust preventive materials will lower adhesion and reduce the effectiveness of Krytox™ oils and greases.

Removing this rust preventive oil could leave a bearing unprotected from rust during storage, which might then affect its performance or ease of installation. To solve this problem, Chemours has developed Krytox™ lubricant ACW.

Krytox™ lubricant ACW is a wet coating formulated with a patented anti-rust additive to protect the surface of bearings from rust during storage. Krytox™ lubricant ACW is compatible with Krytox™ oils and greases, and will leave a thin layer of perfluoropolyether (PFPE) oil and the additive on the surface to prevent corrosion.

#### Application

The bearings should first be cleaned using a solvent or cleaner that is appropriate for removing preservatives.

The bearings must be completely dry before using Krytox™ lubricant ACW. Chlorinated solvents should not be used. The coating can be applied by brushing, dipping, or spraying. The bearings or parts should be drained, dried, and laid on their sides, so that any excess oil or preservative can drain out. If bearings are allowed to sit upright, excess liquid can become trapped in the race and thin the grease, making it slightly softer.

Krytox™ lubricant ACW can be diluted with Vertrel™ XF specialty fluid, Krytox™ solvent, or other fluorinated solvents if desired for easier spraying. The dilution ratio will depend on the equipment being used.

#### Storage and Shelf Life

Krytox™ XP series lubricants can develop an odor and a slight amber/pinkish color over time. Krytox™ XP series lubricants have a three-year shelf life and a recommended maximum operating temperature of 182 °C (360 °F). Testing has shown that these products retain their anti-rust and anti-wear properties, and perform well past the end of the recommended three-year shelf life. Keep product sealed and store in a cool, dry place.

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For product information, industry applications, technical assistance, or global distributor contacts, visit [krytox.com](http://krytox.com) or within the U.S. and Canada, call 1-844-773-CHEM/2436 or outside of the U.S., call 1-302-773-1000.

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