Advantages

- Low Outgassing
- Improved Corrosion Resistance
- Extended Shelf Life
- Low Friction
- Enhanced Performance Of Oils And Greases

Applications

- Space (Vacuum)
- Flow Meters (Gas/Fuel)
- Medical Centrifuge (Assisted with Grease for High-Speed)
- Magnetic/Electrical Environment
- Semiconductor Processing (High Vacuum)

Increased reliability and optimal performance for harsh applications.

NHBB ultra-precision miniature & instrument bearings with Dicronite® dry film lubrication provide increased reliability and assist in attaining optimal performance while extending operational life, even in harsh applications. Dicronite DL-5 modified tungsten disulfide is a wear-resistant, low-friction lubricant that is inert, non-toxic, non-magnetic, vacuum stable, and non-corrosive. The use of dry film lubrication is an option when extended shelf life (up to 20 years), low outgassing and/or improved corrosion resistance is needed.

Dicronite DL-5 particles form a non-transferable molecular bond, which adheres firmly to the surface substrate of all metals. The load carrying capacity of the coating itself is in excess of 350,000 PSI and is resistant to most fuels, solvents and acids. Although Dicronite can assist in maintaining a corrosion resistant environment, it may not be suitable for washdown or intermittent submersion.

For low and moderate speed applications, Dicronite DL-5 enhances the performance of all oils and greases. Please feel free to consult with us early in your design phase to learn about our latest developments in bearing technology.

Dicronite® is a registered trademark of Dicronite Dry Lube.