Molybdenum Nanoparticles Dispersion exhibits a remarkably diverse range of unique properties. Due to these properties MoS2 is currently the focus of research groups across a broad range of disciplines. In the field of tribology, Molybdenum nanodispersion is often referred to as a super lubricant. It has been a favored dry lubricant for aerospace applications due to its excellent lubricity under high load.

Quick Facts

- Purity: 99.9%
- APS: 80-100nm
- Concentration: Customer requirement
- Dispersing Agent: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
- Form: Slurry, Suspension, Dispersion, Colloidal

Properties

- Very good chemical stability
- Excellent thermal stability
- Excellent friction
- Large active surface area
- Anticorrosive
- High melting point
- High conductivity

Applications

- Petroleum refining and lubricants
- Filament materials
- Electrodes
- Aircraft applications
- Oil refining hydrogenation catalyst of high activity
- Heavy oil conversion
- Semiconductors and electronic devices, etc.