

Bio-Dry Slide™ Lubricant

(Food Grade H1)

Biobased, Fast-Drying Extreme Pressure Lubricant and Release Agent

Bio-Dry Slide™ Lubricant is a high-performance, biobased lubricant designed for sliding surfaces requiring a clean, fast-drying, non-oily film. Fortified with food-grade synthetic white graphite, this extreme pressure (EP) lubricant delivers exceptional wear protection and release properties while maintaining environmental compliance. It provides superior lubrication at elevated temperatures, exceeding the limits of traditional lubricants such as PTFE, black graphite, and molybdenum disulfide.

Benefits

- Readily biodegradable, food-grade formulation (H1)
- Leaves a white, dry lubricating film — won't attract dirt or dust
- Outstanding anti-wear and anti-stick performance
- Superior high-temperature performance — effective above 1000°C
- Reduces friction (Coefficient of Friction: 0.08)
- No heavy metals, chlorine, lead, zinc, or fluorinated solvents
- Rust and corrosion protection for metal surfaces
- Complies with USDA HX-1 and FDA 21 CFR 178.3570 (incidental food contact)

Application / New Filling

- Shake well before use
- Ideal for:
 - Mold and die release in manufacturing
 - Sliding mechanisms: doors, windows, drawers, zippers
 - Chains, cables, leaf springs, steering/suspension parts
 - Pipe threads, bolts, tools, gun parts, locks
 - Sports equipment: bikes, skates, skis, sleds
- Suitable for clean environments where non-oily films are preferred

Specifications and Approvals

- Food grade components per FDA 21 CFR 178.3570
- NSF H1 Approved
- Compliant with anti-pollution regulations
- Stabilized™ HOBS base for superior oxidation and thermal stability



Typical Specifications:

Color	White
Texture	Fast Dry Solid Powder
Solvent Carrier	Biobased Volatile Liquid
Viscosity @40°C, cSt. (D-445)	6 cSt
Flash Point (PMCC) ASTM D-93	(Flammable) 12.7°C
Pour Point ASTM D-97	-114 C°
Corrosion Test ASTM D-665	Pass Clean
Copper Corrosion ASTM D-130	1A
4-Ball Wear ASTM D-2266	0.4 mm
4 Ball Ep ASTM D-2596	Weld 200 kg

¹Food Grade components in this product are listed in 21 CFR 178.3570, Lubricants for incidental food contact (USDA HX-1 for use in H1). Full compliance with other applicable restrictions of FDA, USDA, oil spill, and oil pollution prevention statutes is recommended.

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Availability F.O.B. :Manufacturer 12oz. Spray 1 Gallon
Product Item # 81990 81993