

# BIO LUBE CS-3W

**Overview:** BioLube CS-3W is a readily biodegradable, high-performance release agent formulated from natural base oils and esters. It is very effective at preventing asphalt, cement, grout, mortar, and concrete from bonding to any surface. A light spray of BioLube CS-3W forms a thin barrier shield allowing for easy removal of these substances, even when they have hardened. BioLube CS-3W does not react with or stain metals, plastics, or paint finishes, making it a better choice than acid based cleaning chemicals. It is also suitable for use as a lubricant for hammer unions and many pumps.

## Features & Benefits:

- Forms a protective surface shield - reduces clean up time and expense
- Does not react with paint finishes - no negative effect on equipment appearance
- Economical - one coat may last for two or more uses
- Multi-functional - may be used as a lubricant in some pumps and on most connections
- Readily Biodegradable - environmentally accepted lubricant per US EPA guidelines
- Worker friendly - does not irritate skin, no unpleasant fumes
- High flash point - increased safety
- Easy to apply - save on labor and clean up expense

Physical Properties	CS-3W
ISO Grade	26
Specific Gravity, ASTM D1298	.89
Viscosity, ASTM D445 @40°C, cSt	26
Viscosity, ASTM D445 @100°C, cSt	5
Viscosity Index (VI), ASTM D2270	>150
Gel Point, °F (°C)	-10 (-23)
Flash Point, ASTM D92, °F (°C)	>400 (>204)
Pour Point, ASTM D97, °F (°C)	-10 (-23)
Copper Corrosion, ASTM D4048	1B
Toxicity	Ultra Low
Biodegradability, OECD 301B, %	>90

**Applications & Industries:** Use BioLube CS-3W anywhere an effective barrier fluid product is required.

- Asphalt Paving - prevents hardened asphalt from bonding to equipment and tools
- Construction - grout and cement mixers, boom pump trucks, batch plants, drill rigs, tools
- Oilfield - cement truck mixing tub and adjacent surfaces, oil-lubricated pumps, hammer unions

