

# Product Data Sheet

LubriSilk® LSPOL  
Paint on Lubricant



## LUBRISILK® PAINT ON LUBRICANT

**LubriSilk® Paint On Lubricant (LSPOL)** was originally developed as a **Railroad Switch Paint** to address railway delays in the winter when the switches froze or were blocked from movement by ice; the white snow would also cause concern if the switch could not be seen to have moved.

This lubricant is an easy to use, long lasting corrosion preventative formulation makes use of the core technology and has been specially formulated (patent pending) with a pigment vehicle to provide a visibly identifiable indicator of wear and need for reapplication. It has good adhesion properties and has low VOC. **LubriSilk® Lubricating Paint** Lubricant bonds to metal surfaces, depending on exposure time and temperature, to provide a long-lasting, low-friction surface that is nearly impervious to many contaminants.

**LubriSilk® Paint On Lubricant** was tested at the SGS/Herguth Laboratory, and the co-efficient of friction was measured to be 0.13; however, in a test of the paint on ball-bearings, to simulate the circumstances of metal on the paint, the solution tested out at a .33 co-efficient of friction. This exceeds any known solution deployed today, and the extension of the frequency of application is revolutionary.

Recent applications of the Switch Paint included using it on the bottom of tugs and other marine vessels in order to prevent corrosion. The added benefit was as an antifouling paint to prevent algae and other barnacles from attaching, meaning that cleaning was not required; the paint outlasted normal paints, and with the corrosion prevention, re-painting and scrubbing were not required.

Antifouling paint was introduced around the 1800 to slow the growth and facilitate detachment of subaquatic organisms that attach to the hull. Antifouling paints have additional properties that protect the marine vehicle such as acting as a barrier against corrosion on metal hulls that will degrade and weaken the metal, or improving the flow of water past the hull of a fishing vessel or high-performance racing yacht.

However, typical antifouling paints are various types of biocides, that kill aquatic life, either on touch or by slowly leaching copper that obstructs growth to disrupt the growth of any small life that come close. Any living organism nearby will be poisoned by the paint. This poisons the water as well as marine life around, starting a dangerous cycle that will affect us all. Small fishes are poisoned, larger fishes hunt and eat the smaller fish, that are then also poisoned. Ultimately this poison gets into the food chain that reaches our tables.

**LubriSilk® Paint On Lubricant** is biodegradable, and is a biostat (not a biocide), preventing growth rather than killing it, and does not leach poisons into the sea that could kill aquatic life.

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## USAGE

**LubriSilk® Paint On Lubricant** can be applied by either a spray or brush, and should initially be re-applied at the same frequency of current lubrication solutions. Following four applications, this schedule can be extended by a factor of two, and then to three. Proper inspections will allow for the extension of the application period, up to a factor of six.

## APPLICATIONS

**LubriSilk® Paint On Lubricant** can be applied to all types of marine vessel hulls, anchor chains and other marine applications where paint on anti-fouling is required. **LubriSilk® Paint On Lubricant** is also applicable for vehicle and machine chassis that suffer from excessive corrosion through extreme weather conditions.

## SPECIFICATIONS

Vehicle Type.....	Vinyl-Acrylic Resin
Method of Application.....	Brush, Roller, or Airless Spray
Percent Solids.....	By weight 42%, By volume 31%
Surface Preparation.....	Consult LubriSilk® Representative
Drying Time.....	To touch: 30 Min. To recoat: 2Hrs. (77 F. / 50% R.H.)
V.O.C.....	39 g/l
Coverage.....	00 Sq. Feet per Gallon, depending on Substrate.
Clean Up.....	Water
Thermal Data.....	Boiling: 212°F / Freezing 32°F

**LIMITATIONS:** Do not apply when temperature is below freezing. Avoid applying in strong sunlight or conditions of extreme heat and humidity.

**PRECAUTIONS:** Do not take internally, Protect from freezing, Close container after each use, Keep out of reach of children, Wash hands after handling, In case of eye contact, flush thoroughly with water.

## PACKAGING

Can.....	32 oz / 946 ml
5 Gallon Pail.....	40 lb / 19 litre
55 Gallon Drum....	440 lb / 209 litre
Tote.....	2000 lb / 946 litre

