

DAL-1/8911

DARVAN® L Surfactant
A Corrosion Inhibiting Mold Lubricant

Chemical Composition: Ammonium salts of alkyl acid phosphate.

Use: An Excellent corrosion inhibiting mold lubricant, and an ideal treatment for the surface of freshly mixed stock to remove tack.

Physical Properties:

Physical State	Paste
Color	Amber
Odor	Very slight ammoniacal
Density	1.04 Mg/m ³
Storage Stability	Excellent
Solubility	High in water; rate of solution can be greatly increased by using warm, soft water.
Ionic Classification	Anionic

Application:

Mold Lubricant	Efficient mold release solutions can be made using 1.0 part or less of DARVAN L per 100 parts of warm water. One application is effective in many cases for ten or more heats. Solids build-up in the mold is outstandingly low. DARVAN L -silicone oil emulsion blends are superior to solutions of either one alone. The effective concentration is 0.5 parts of each in 99 parts of distilled or treated warm waters.
Stock Lubricant	An aqueous solution containing 0.5% of DARVAN L is useful for protecting as well as detackifying the surfaces of freshly mixed stock. The product can be used in solution, alone, or with a soapstone slurry.
Dryer Flight Lubricant	A solution containing 0.5% to 1.0% of DARVAN L is satisfactory for lubricating steel dryer conveyor belts operating at relatively high temperatures. The DARVAN L prevents sticking thereby eliminating frequent shut-down of equipment for cleaning.
Corrosion Inhibitor	A 1% solution of DARVAN L sprayed or wiped on mill rolls during shut-downs will prevent rust or oxidation.
Wetting	Surface treatment: Wetting speed is fair – 3.25 grams required to wet cotton skein in 25 seconds at 77°F as determined by the Draves-Clarkson test.
General Purpose	Mold release agent. Primary usage as a mold lubricant.

Advantages:

Little or no solids build-up on molds.
Dryer flight lubricant.
As a lubricant for calendar rolls to prevent calendered stock from sticking.
Effective as a corrosion inhibitor

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