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## **PolyFox™ PF-6320 Coating Additive For Spray Applied Nitrocellulose Lacquers**

Are you a producer of nitrocellulose based lacquers for specialized spray applications requiring very high gloss, no defects and excellent scratch/mar resistance? Then you need to investigate the performance enhancements available by using OMNOVA Solutions' new **PolyFox PF-6320** fluorosurfactant in your coating.

**PolyFox PF-6320** is a 100% solids fluorosurfactant **DESIGNED FOR SOLVENT BORNE COATINGS** which eliminates craters as well as facilitates de-aeration, increases gloss and is non-foaming, unlike other conventional fluorosurfactants. These characteristics can provide very high gloss coatings for critical coating applications, like fine furniture and pianos. Benefits like scratch/mar resistance, improved cleanability, stain resistance and solvent resistance also can be achieved through the use of PolyFox coating additives.

**PolyFox** fluorosurfactants are **POLYMERIC POLYETHERS WITH SHORT PERFLUOROALKYL SIDE CHAINS**, giving them a very wide safety margin over conventional fluorosurfactants made from C8 and longer perfluoroalkyl chains, which have been shown to degrade to PFOA. Currently PFOA and the telomer fluorochemicals that degrade to form it are being investigated by the USEPA for potential environmental and health concerns. This wide environmental and health safety margin for **PolyFox** coating additives coupled with their solid performance attributes and their low foaming nature make them the best choice for inclusion in your new coatings or for substitution into your existing ones.

For proof of the many potential benefits of incorporating **PolyFox PF-6320** fluorosurfactant in your nitrocellulose lacquer, try the starting formulation below.

## Spray Applied Nitrocellulose Lacquer Fine Furniture And Pianos

Raw Material Add in order listed under agitation	%w/w	Supplier
Chempol <sup>®</sup> 801-0127	10.74	CCP
Duramac <sup>®</sup> 207-2742	3.03	Eastman
DINP	3.49	CP Hall
Toluene	11.35	Chemcentral
Isobutyl Alcohol	6.31	Chemcentral
Isopropyl Alcohol	12.62	Chemcentral
VM&P Naphtha	6.31	Chemcentral
1/2 sec Nitrocellulose	8.67	Green Tree Technologies
1/4 sec Nitrocellulose	3.03	Green Tree Technologies
<b>Mix well, then add the following</b>		
N-Butyl Acetate	22.72	Chemcentral
Methyl N-Amyl Ketone	2.52	Eastman
Methyl Ethyl Ketone	8.84	Chemcentral
GE SF69 (1% in Xylene)	0.17	GE Silicones
<b>PolyFox™ PF-6320</b>	0.21	OMNOVA Solutions Inc.
<b>TOTAL</b>	<b>100.01</b>	

If you would like samples of PolyFox PF-6320 fluorosurfactant, or further information about the entire PolyFox line of fluorosurfactants for aqueous, solvent or UV coating applications, or for any technical assistance with your coating formulations, please contact your nearest OMNOVA representative, call customer service at (803) 377-2298 or email [carolyn.orr@omnova.com](mailto:carolyn.orr@omnova.com) .

**NOTE:**

Although data supplied above are believed to be accurate, each user is advised to make his or her own determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such a use will comply with all applicable laws or regulations, or whether such a use will not infringe the intellectual property rights of third parties.



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