

Toynol® Multifunctional Molecular Defoamers

DF-80D/L DF-110B

Features

- Excellent ability of knock down foam
- Control of foam created by other surface active agents
- Micro-foam elimination
- Perfect shelf stability over a wide range of physical condition
- Elimination of incompatibilities associated with silicone-containing and mineral oil defoamers

Typical Properties			
Types	DF-80L	DF-80D	FAD-110B
Appearance	Clear, Pale yellow liquid	Clear, Pale yellow liquid	Clear, Pale yellow liquid
Content (%)	20	32	50
Solvent	PG, EG	PG	BCS
Specific Gravity 25°C	0.90	0.89	0.90
Flash Point, °C	>110	>100	76
Solubility %	Insoluble	Insoluble	Insoluble

Chemical Compositions

Macromolecule Acetylenic Diol-based Product

Recommended application

- Waterborne Inks
- Water-based Varnish
- Waterborne Coatings
- Paper Coatings
- Water-based Adhesives
- Water-based Finishing Agent

Application Benefits

Those nonionic, water-free and silicone-free defoamers are utilized in variety applications for sustained foam control without causing film problems.

Packaging/Handling

Toynol is available in 25L and 220L containers.

Shelf Life

24 months in the original container

Storage

This product should be sealed and placed in a dry, cool, well-ventilated place at room temperature away from fire source. For any other information, please refer to MSDS.

Direction for Use

1. In the formulation or mix procedure, maintain adequate agitation and allow mix times of at least 15-30 minutes. More suitable heat added if the viscosity sires.
2. Add Toynol surfactants last, especially after other surface active agents or polymeric materials have been added. This will allow the maximum rate of dissolution or dispersibility of Toynol surfactants into the system.
3. Better add the pigment, filler and other solid material before Toynol. Its favorable for wetting solid and controlling the production of foam while agitating.
4. Toynol is a multifunction product which can substitute one or more formulas additive. However, optimal concentration levels should be determined by running a ladder study.
5. Sometimes, Toynol fluid mixture will have agglomeration or crystal while transporting and storing under low temperature. Then if heated to the hot spots, it can be recover after modest agitate.

Addition Levels: 0.2%-2%

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