

Technical Information

SURFYNOL® TG Surfactant

Nonionic Wetting Agent and Grind Aid

Description

Surfynol® TG surfactant is a low-foaming, nonionic wetting agent for pigment and substrate wetting in aqueous systems. Surfynol® TG surfactant is recommended for use in waterborne coatings and other pigmented aqueous systems.

Surfynol® TG surfactant also provides excellent wetting as well as excellent foam control to coagulant baths for both natural and synthetic rubber dipping process and in the preparation of latex tank compounds.

Recommended Usage

Between 1 and 2% of total formulation weight is recommended for pigment and substrate wetting. Between 0.05 and 0.3% of total coagulant formulation weight is recommended for latex dipping.

Advantages

- Excellent reduction of equilibrium and
- Improved pigment wetting
- Greater color development
- Reduced pigment “cut-in” time
- Improved color uniformity in brush-out
- Low foam
- Increased hiding power
- Reduced water sensitivity
- Excellent former wetting and extremely low foam at coagulant formulation for latex dipping
- 70 °C cloud point for 0.1% surfactant in 15% aq. Ca(NO₃)₂

Typical properties

Appearance	Clear, pale yellow liquid
Specific Gravity at 21 °C	0.99
Viscosity at 25°C	150 mPa.s
Flash Point	>114 °C
Pour Point	-3 °C

These are typical properties only and do not represent sales or manufacturing specifications.

Applications

- Pigment grinding
- Substrate wetting agent in waterborne coatings
- Metal surface coatings
- Improves the coverage of coatings applied on surfaces contaminated with oil, grease, dirt, or rust
- Latex dipping
- Rinse bath additive to reduce surface tension and enhance the “sheeting” action of aqueous systems

Storage and Handling

Surfynol® TG surfactant should be stored under dry and clean conditions between -10 °C and 50 °C.

Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use. Please refer to Material Safety Data Sheet.

Shelf-Life

24 months from the date of manufacture.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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For Technical Information, Support and Samples:

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