



Flexiwet™ CZ-1000

Non-fluorinated Surfactant

Overview

- Non-fluorinated surfactant mixture
- Provides anti-blocking for paints & coatings
- Surface tension reduction at low loading levels without increased foaming
- Powerful wetting and leveling performance for smoother, defect-free coatings & improved open time
- Does not impart color, or change the optical properties of a coating (beyond potential gloss or DOI - distinctness of image)
- Aqueous Surface Tension, de Nouy ring @ 25°C:
 - 0.05% in water 30.8 dynes/cm
 - 0.10% in water 29.2 dynes/cm
 - 0.50% in water 22.5 dynes/cm

Applications

- Additive for paints & coatings
- Additive for adhesives
- Additive for mold release
- Additive for polishes & lacquers
- Surfactant for HI&I cleaning formulations

Technical Information

Flexiwet CZ-1000 is a non-fluorinated surfactant mixture for use in paints & coatings, adhesives, mold release, and HI&I cleaning formulations.

Surface tension reduction can be achieved at low loading levels. This product is an excellent choice for wetting difficult-to-wet substrates such as plastics, oily substrates, and waxy surfaces. The excellent wetting and leveling provides smoother, defect-free coatings. Surface diffusion properties of Flexiwet CZ-1000 deliver block resistance, mold release, and improved release properties for adhesives.

A neutralized version of this product is available as Flexiwet CZ-1040K.

Formulary

This product is self-dispersible in water, with added IPA or glycol.

The recommended use level for Flexiwet CZ-1000 is 0.1 to 1.0 wt. % (as sold) in the final formulation.

Flexiwet CZ-1000 can be incorporated during the letdown phase of production or post-added to the final formulation.

Typical Properties

PROPERTY	VALUE
Appearance	Clear, viscous liquid
Color	Colorless to lt. amber Gardner color: 7 max
Odor	Mild
% Solids	94.0 minimum
Ionic character	Free acid (est. 580 mg. KOH/g.)
Solubility	Self-dispersible in water, with added IPA or glycol
pH (as is)	0.8 to 2.0
Density@25°C	1.13 to 1.17 g/ml
Viscosity	1000 cPs max.
Flash point	> 94°C (closed cup)
Storage	Perishable if frozen
Shelf life	24 months

Packaging and Handling

Flexiwet CZ-1000 is available in:
275 gallon totes (2205 lb. net wt.),
55 gallon drums (441 lb. net wt.)
5 gallon pail (40 lb. net wt.)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Corrosive liquid,
Hazard Class 8, UN 3265, PG III

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information

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