

DESCRIPTION

Surfynol 61 surfactant is a 100% active multifunctional surface active agent. Due to its volatile nature, Surfynol 61 surfactant can evaporate from a system under use conditions and/or heating. Therefore, Surfynol 61 surfactant is useful in applications where residual surface activity or contamination is undesirable, such as silicon wafer and glass cleaning.

Surfynol 61 surfactant can provide excellent wetting of polyethylene and polypropylene films. Upon evaporation, little to no surfactant remains to interfere with trapping or cause water sensitivity in printing inks.

During the curing of silicones by the silane/alkene addition reaction, Surfynol 61 surfactant can “block” platinum catalysts through complexation; this effect can be used to delay the curing reaction. However, the Surfynol 61 surfactant typically flashes off upon heating to liberate the active catalyst and trigger the reaction.

ADVANTAGES

- Good surface tension reduction properties
- Good wetting of substrates including polymeric films
- Non-foaming
- Can reduce microfoam
- Evaporates from surfaces without leaving residues

APPLIATIONS

- Silicon wafer industry
- Glass and hard surface cleaners
- Textile cleaners
- Industrial maintenance coatings
- Printing Inks
- Fountain solutions
- Catalyst blockers

STORAGE AND HANDLING

Keep containers tightly closed in a dry, cool, and well-ventilated place. Product is freeze-thaw stable. Mix thoroughly before use.

SHELF LIFE

The shelf life for this product is 60 months from the date of manufacture.

HANDLING PRECAUTIONS

Refer to the Safety Data Sheet for Surfynol 61 surfactant.

RECOMMENDED USAGE

Between 0.5 and 3% of total formulation weight is recommended.

TABLE 1: TYPICAL PROPERTIES¹

| | |
|--------------------------------------|--|
| Appearance: | Clear, colorless to pale yellow liquid |
| Viscosity @ 20°C (mPas) | 4 |
| Specific Gravity @ 21°C | 0.85 |
| Flash Point (°C) | 49 |
| Freezing Point (°C) | -68 |
| Pour Point (°C) | -45 |
| Boiling Point (°C) | 160 |
| Vapor Pressure @ 21°C (kPa) | 0.60 |
| Water Solubility @ 20°C (g/L) | 0.09 |

Footnotes:

- (1) These are typical properties only and do not represent sales or manufacturing specifications.

Nonionic Wetting Agent

Surfynol® 61 Surfactant

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