

## Product Specification

**SURFYNOL® 61 SURFACTANT** – Non-Ionic Wetting Agent**Description**

SURFYNOL® 61 SURFACTANT is a 100 % active multi-functional 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 of various treatments.

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.

**Recommended Usage**

Use between 0.5 and 3.0 % of total formulation weight is recommended.

**Advantages**

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

**Physical properties**

Appearance	clear, colorless to pale yellow liquid
Specific Gravity at 20 °C	approx. 0.85 g/l
Viscosity at 20 °C	4.0 mPa.s
Flash Point	49 °C
Pour Point	-45 °C
Boiling Point	160 °C
Vapor Pressure @ 21 °C	0.60 kPa
Water Solubility @ 20 °C	0.09 g/l

**Applications**

- Silicon wafer industry
- Glass and hard surface cleaners
- Textile cleaners
- Industrial maintenance coatings
- 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.

Refer to the Safety Data Sheet for SURFYNOL® 61 SURFACTANT.

## Shelf life

60 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.

## For Technical Information, Support and Samples:

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