

## Product Specification

**SURFYNOL® 104 SURFACTANT**

Powdered Dynamic Wetting Agent and Molecular Defoamer

**Description**

SURFYNOL® 104 SURFACTANT – a low-foam, dynamic wetting agent in solid form – is designed to provide fast, effective wetting in solid coatings and other formulations requiring solid additives.

The active component of SURFYNOL® 104 SURFACTANT is a Gemini wetting agent and molecular defoamer that can provide an attractive combination of performance benefits.

SURFYNOL® 104 SURFACTANT's unique structure can deliver multifunctional properties, including efficient surface tension reduction and foam control.

In coating applications, SURFYNOL® 104 SURFACTANT can eliminate or greatly reduce the need for the commonly used degassing agent benzoin. Additional benefits include improved color development, gloss, and distinctness of image (DOI).

SURFYNOL® 104 SURFACTANT is also suitable for use in high performance agricultural chemical crop protection systems. As an additive in wettable solid pesticide systems, SURFYNOL® 104 SURFACTANT can improve wetting, control foam and enhance leaf and soil penetration.

**Recommended Usage**

SURFYNOL® 104 SURFACTANT can be blended with the other solid ingredients of the formulation in conventional solid mixers or post-added. Normal usage levels range between 0.1 – 1.0 wt.% based on dry blended formulation.

**Advantages**

- Foam control and de-air entrainment
- Low dynamic surface tension
- Ability to wet hydrophobic surfaces
- Prevents surface defects in coatings on low energy substrates
- Improved flow and leveling
- Improved color development
- Non-yellowing compared to benzoin
- Free-flowing solid with limited dust release
- Contains no added silicones or alkylphenol ethoxylates

**Physical properties**

|                  |                 |
|------------------|-----------------|
| Appearance       | white solid     |
| Density at 21 °C | approx. 890 g/L |

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

**Applications**

- Solid coatings
- Agricultural chemicals
- Inks and adhesives
- Pigment premixes

## Storage and Handling

SURFYNOL® 104 SURFACTANT should be stored under dry and clean conditions between -10 °C and 50 °C. High pressure on the packed material should be avoided in order to prevent lumping.

Handling of SURFYNOL® 104 SURFACTANT is convenient in terms of flowability, dusting and ease of incorporation.

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.

## For Technical Information, Support and Samples:

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