

## Product Information

## SURFYNOL® 104

## PRODUCT 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 wet table solid pesticide systems, SURFYNOL® 104 SURFACTANT can improve wetting, control foam and enhance leaf and soil penetration.

## Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		white solid
Density	g/cm <sup>3</sup>	880-900 at 21°C

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

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

## BENEFITS &amp; ADVANTAGES

- Has several global food contact compliances
- Defoaming/de-airentainment in concrete

## HANDLING &amp; PROCESSING

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.

## SHELF LIFE

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 SUBSTANCE

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.

#### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

#### Evonik Operations GmbH

Interface & Performance  
Goldschmidtstraße 100  
45127 Essen, Germany  
Phone Europe +49 201 173-2665  
Phone Asia +86 21 61191 125  
Phone Americas +1 804 727 0700  
[interface-performance@evonik.com](mailto:interface-performance@evonik.com)  
[evonik.click/interface-performance](http://evonik.click/interface-performance)