

Product Information

Paints, Inks & Coatings

DOW CORNING

DOW CORNING® 163 Additive

FEATURES

- Solventless
- Small particle size (25 µ typical)
- Less likely to cause fish eyes or other surface defects in the finished coating than conventional foam control agents
- Effective antifoam at low concentrations (0.05-0.5% w/w)
- Can be used in aqueous systems
- High flash point (>100°C)

Silicone foam control agent

APPLICATIONS

- Foam control in solventless coatings, especially UV and EB curing systems.
- Effective in UV screen printed inks and varnishes.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Parameter	Unit	Value
Appearance		Off white liquid
Specific gravity at 25°C/15.6°C		1.07
Flash point - closed cup	°C	> 101
Viscosity at 25°C	cSt	1000
Active content	%	100

HOW TO USE

DOW CORNING 163 Additive should be stirred prior to use and thoroughly dispersed in coating formulation.

The recommended addition range is 0.05-0.5 wt%, based upon total formulation.

For use in water-borne systems, dilution in propylene glycol is required to improve the compatibility. A dilution of 1 part of DOW CORNING 163 Additive in 24 parts propylene glycol (by weight) is recommended. This mixture should be evaluated in the formulation at a starting level of 0.05 wt% based upon total formulation.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER

LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 30°C in the original unopened containers, this product has a usable life of 24 months from the date of production.

FOOD CONTACT

DOW CORNING 163 Additive may be used in inks and coatings that might come into contact with food after cure, and which comply with FDA regulation 21 CFR 175.300 and 176.200. If used in water-borne coatings, propylene glycol suitable for food contact must be used in the dilution step.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.