

Silicone Additives

Dow Corning® 14 Additive

FEATURES

- Provides slip and leveling in water- and solvent-based applications and mar resistance in water-based systems

COMPOSITION

- Reactive silicone glycol surfactant with carbinol functionality
- Supplied at 10 percent active concentration

Silicone additive provides slip and leveling in water- and solvent-based applications and mar resistance in water-based systems

USES

Dow Corning® 14 Additive has been successful in these industrial applications:

Table I: Industrial Applications for *Dow Corning 14 Additive*¹

To reduce the coefficient of friction:	
Coating:	Solvent-based and water-based industrial coating at 0.05-0.1%
Paint:	Water-based paint at 0.2-0.5%
To improve mar resistance:	
Coating:	Water-based industrial coating at 1.0%
Paint:	Water-based paint at 0.2 - 0.5%
To improve leveling:	
Coating:	Solvent-based industrial coating at 1.0-2.0%
Paint:	Water-based paint at 0.05-0.1% or 0.2-0.5%

¹All usage levels are weight percent based on the total formulation.

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test	Unit	Result
Appearance		Clear liquid
Nonvolatile Content	percent	9.5-11.5
Solvent		Isopropyl Alcohol
Functionality		Carbinol
Specific Gravity at 25°C (77°F)		0.807
Flash Point, closed cup	°C (°F)	10 (50)
Viscosity at 25°C (77°F)	cs	4.0

HOW TO USE

Dow Corning 14 Additive is effective at low concentrations. The amount required depends on type of formulation, the solvent it contains, resin system and total system solids. *Dow Corning 14 Additive* is generally effective at concentrations ranging from 0.05-2.0 weight percent, based upon total formulation. This additive

can be added during the grind or let-down, or can be post-added. Characteristics may vary when used with different systems and formulations. *Dow Corning 14 Additive* is compatible with acrylic, alkyd, epoxy, polyesters, and polyurethane systems. Thorough preproduction testing is necessary to ensure expected performance.

HANDLING PRECAUTIONS

Caution: Direct contact with eyes may irritate; may be severe.

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 material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored between -45 and 45°C (-49 and 113°F) in the original unopened containers, *Dow Corning* 14 Additive has a usable life of 30 months from the date of production.

PACKAGING

Dow Corning 14 Additive is available in 4-oz (113-g) samples; 33-lb (14.9-kg) pails and 363-lb (164.6-kg) drums.

LIMITATIONS

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

Shipping Limitations

DOT Classification: Class 3 flammable.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED 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. Suggestions of use shall not be taken as inducements to infringe any patent.

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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.

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