

Product Information

Personal Care

DOW CORNING® SW-8005 C30 Resin Wax

FEATURES

- High melting point wax (66°C)
- Semi- occlusive material

BENEFITS

- Rheology and texture modifier
- Structuring agent
- Broad compatibility with organic and silicone materials
- Good compatibility with fragrances
- Increases non transfer property in lipsticks
- Improves coverage, color uniformity and intensity in color cosmetic applications.

COMPOSITION

- 100 % wax

INCI Name: C30-45 Alkyldimethylsilyl Polypropylsilsesquioxane

APPLICATIONS

- Rheology and texture modifier in oil-in-water and water-in-oil emulsions and also anhydrous gels.
- Structuring agent for sticks, especially lipsticks.
- Can be used in a wide range of cosmetic products such as color cosmetics, skin care, sun care and hair care.

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		White to off-white large flakes
Odor		Characteristic odor
Specific gravity		0.8
Flash point (Closed cup)	°C	> 100
Melting point	°C	66

DESCRIPTION

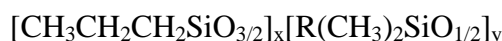
Dow Corning® SW-8005 C30 Resin Wax is a 66°C melting point silicone resin wax. It combines the physical and chemical characteristics of silicone wax with silicone resin such as improved non transfer.

HOW TO USE

Melt the *Dow Corning*® SW-8005 C30 Resin Wax with the other oil phase components. In the case of emulsion products, ensure that the wax is completely melted into the oil phase by heating it to 75°C.

Ensure that the temperature of the aqueous phase is also 75°C before adding it to the oil phase. Avoid any dramatic decrease in temperature; allow it to cool down at a slow, consistent rate until 40°C has been reached with good mixing to keep system uniform. The recommended levels are dependent on the application but can be as low as 2% for structuring an emulsion and as high as 20% for a lipstick.

Figure 1: Chemical structure of *Dow Corning*® SW-8005 C30 Resin Wax



where R is $-(\text{CH}_2)_n\text{CH}_3$
where n = 30 - 45

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product safety data sheet 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

No special storage measures are required. When stored at or below 32°C in the original unopened container, the product has a usable life of 24 months.

PACKAGING

This product is available in 20 kg boxes.

Samples are available in 1 quart tubs (~ 1 liter).

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 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.

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.

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Compatibility

Wt% of <i>Dow Corning</i> ® SW-8005 C30 Resin wax	10	50	90
Material			
Ethanol	NC	NC	NC
Beeswax	C	C	C
Ozokerite Wax	C	C	C
Candellilla Wax	C	C	C
C12-15 Alkyl Benzoate	C	C	C
Caprylic/ Capric Triglyceride	C	C	C
Octyl Dodecanol	C	C	C
Ethylhexylmethoxy Cinnamate	C	C	C
Sunflower oil	C	C	C
Castor oil	C	C	C
Low molecular weight, volatile silicone oils	C	C	C
Isododecane	C	C	C