



# Silicone Emulsifiers

## Overview

Andisil® Silicone Emulsifiers can be used for a variety of systems including: W/O, O/W, W/Si and Si/W. They also provide a soft, silky feel to the end product.

## Product Specifications\*

Name	INCI Name	HLB	Viscosity	Active Content	D4 Content
Andisil® SP 518	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	2.0	50 cSt	12.5%	< 0.1%
Andisil® SP 518C <b>50% Concentrate</b>	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	2.0	1500 cSt	50%	< 0.1%
Andisil® SP 1001	Cetyl PEG/PPG-10/1 Dimethicone	2.0	1500 cP	100%	< 0.1%
Andisil® SP 2318	Dimethicone (and) PEG/PPG-18/18 Dimethicone	2.0	50 cSt	25%	< 0.1%
Andisil® SP 2318C <b>50% Concentrate</b>	Dimethicone (and) PEG/PPG-18/18 Dimethicone	2.0	500 cSt	50%	< 0.1%
Andisil® SP 4409	PEG-9 Dimethicone	4.5	400 cP	100%	< 0.1%
Andisil® SP 4412	PEG-12 Dimethicone	6.7	360 cP	100%	< 0.1%

\* These properties are not intended to be used as specifications but only as suggested characteristics

## SKIN CARE

### Applications

- Antiperspirant / Deodorant
- Creams
- Color Cosmetics
- Lotions
- Serums
- Sun Care
- Shaving

### Benefits

- Cushion
- Emulsifiers
- Film Forming Properties
- Moisturizing
- Organic Compatibility
- Skin Protectant
- Wash Off Resistance
- Water Repellency
- Wetting Agent

## Application Recommendations

Name	
Andisil® SP 518	Recommended for W/O emulsions; reduces tackiness and greasiness in sun care and skin care formulations
Andisil® SP 518C	Recommended for W/O and W/S emulsions; concentrated emulsifier used in creams, lotions, and sun care
Andisil® SP 1001	Recommended as an emulsifier for W/O cream and lotion formulations and sun care protection; provides excellent stability and organic compatibility
Andisil® SP 2318	Cyclic free emulsifier for W/O and W/S emulsions
Andisil® SP 2318C	Concentrated cyclic free emulsifier for W/O and W/S emulsions used in most skin care applications
Andisil® SP 4409	Recommended for use as a W/O or W/Si emulsifier for skin care and make-up formulations
Andisil® SP 4412	Recommended in skin care, sun care and make up formulations as a O/W emulsifier; improves aesthetics and reduces surface tension

*Beauty.*

In the hands of the  
formulator



# Silicone Emulsifiers

(continued)

HAIR CARE	
Applications	Benefits
<ul style="list-style-type: none"> <li>• Shampoo</li> <li>• Conditioner (leave in)</li> <li>• Conditioner (Rinse off)</li> <li>• Styling Treatment</li> </ul>	<ul style="list-style-type: none"> <li>• Dilution Stability</li> <li>• Emulsifier</li> <li>• Formaldehyde Free</li> <li>• Improves Wet Combing</li> </ul>

## Application Recommendations

Name	
Andisil® SP 1001	Recommended for hair care formulations as a W/O emulsifier; improves aesthetics and reduces surface tension
Andisil® SP 4409	Recommended for rinse off conditioners and styling aids; best for W/O formulations where D5 is not acceptable
Andisil® SP 4412	Recommended for shampoos, conditioners and styling aids; best for O/W emulsions.

## Storage & Shelf Life

The shelf life, when the container is stored unopened and under proper conditions at room temperature, is expected to be a minimum of twelve months.

## Packaging

Andisil® Silicone Emulsifiers for personal care packaging options are available upon request.

For additional information on the product, please contact your Sales Representative.

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

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