



## Technical Data Sheet

# DOWSIL™ CE-8170 AF Microemulsion

### FEATURES

- Highly translucent
- Water dilutable

### BENEFITS

- Improves wet and dry combing
- Enhances hair shine
- Improves hair volume
- Reduces hair flyaway
- Emulsion form makes formulating easy
- Ideal for clear formulations

INCI Name: Amodimethicone (and) C11-15 Pareth-7 (and) Laureth-9 (and) Glycerin (and) Trideceth-12

### APPLICATIONS

- Excellent conditioning additive for a wide range of hair care applications including rinse-off conditioners, shampoos, leave-in conditioners and clear products.

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Clear to slightly hazy
Silicone Content	wt%	20
Viscosity at 25°C (77°F)	cP	100
pH		5.7–7.8
Suitable Diluent		Water
Emulsifier Type		Nonionic
D4 Content	%	< 0.1

### DESCRIPTION

DOWSIL™ CE-8170 AF

Microemulsion is a very fine particle size emulsion (i.e., 'micro') of a high molecular weight amino functional silicone polymer.

DOWSIL CE-8170 AF Microemulsion provides excellent conditioning performance in a wide range of hair care applications including shampoos, rinse-off and leave-in conditioners and styling products. It provides improved combing and enhanced hair shine.

### HOW TO USE

To optimize the dispersion of DOWSIL CE-8170 AF Microemulsion into the final formulation, it is recommended to add

it slowly at the end of the procedure at a temperature below 40°C (104°F) with continuous mixing.

Recommended use level is 2–10% for hair care formulations.

**HANDLING PRECAUTIONS  
PRODUCT SAFETY  
INFORMATION REQUIRED FOR  
SAFE USE IS NOT INCLUDED IN  
THIS DOCUMENT. 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 ON  
THE DOW WEBSITE AT  
WWW.CONSUMER.DOW.COM,  
OR FROM YOUR DOW SALES  
APPLICATION ENGINEER, OR  
DISTRIBUTOR, OR BY CALLING  
DOW CUSTOMER SERVICE.**

## **USABLE LIFE AND STORAGE**

When stored at or below 40°C (104°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

## **PACKAGING INFORMATION**

This product is available in 200 kg drums and 20 kg pails.

Samples are available in 500 ml bottles.

## **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 has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local Dow representative.

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DOWSIL™ CE-8170 AF Microemulsion

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