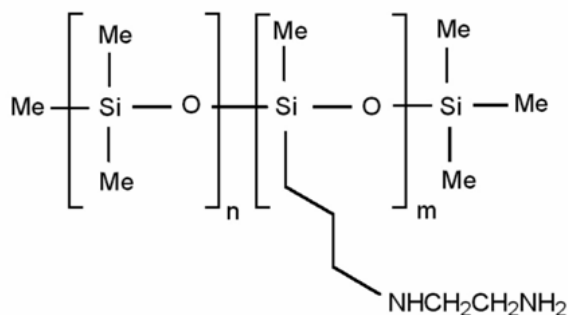


# BELSIL® ADM 1650

AMODIMETHICONE

## Product description

Structural formula:



BELSIL® ADM 1650 is a non-reactive aminofunctional polydimethylsiloxane with an average viscosity of 1000 mm<sup>2</sup>/s. When used in acidic shampoos, hair rinses and hair formulations, its amine group is protonated and a cationic polymer is obtained. This polymer readily coats the negatively charged surface of the hair, providing excellent conditioning properties.

## Application

The major field of application for BELSIL® ADM 1650

is hair care. The non-reactive amino-functional silicone fluid forms a protective sheath around the hair fiber that lasts through several shampooing cycles. BELSIL® ADM 1650 Amodimethicone is used mainly in shampoos and hair conditioners. The conditioning properties are highly effective in these applications, resulting in improved wet and dry combability and a pleasant, soft feel.

## Storage

The "Best use before end" date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## Product data

Typical general characteristics	Inspection Method	Value
Appearance		clear, colorless
Viscosity, dynamic		approx. 1000 mPa.s
Structure		linear
Reactivity		non-reactive
INCI name		Amodimethicone
Amine Number		0,6 mmol/g

These figures are only intended as a guide and should not be used in preparing specifications.

## Additional information

## Solubility

Ingredient	BELSIL® ADM 1650	Ingredient	BELSIL® ADM 1650
<b>Cyclopentasiloxane</b>	✓	<b>Triglycerides</b>	
		Castor oil	p
<b>Dimethicone</b>		Olive oil	-
BELSIL® DM 1 Plus	✓	Wheatgerm oil	-
BELSIL® DM 5	✓	Lanolin oil	-
BELSIL® DM 10	✓		
BELSIL® DM 350	✓	<b>Alcohols</b>	
BELSIL® DM 12500	p	Octyldodecanol	-
BELSIL® DM 60000	p	Oleyl alcohol	-
		Propylene glycol	-
<b>Trimethylsiloxyphenyl Dimethicone</b>		Isopropanol	✓
BELSIL® PDM 20	✓	Ethanol	-
BELSIL® PDM 350 VP	p	Glycerin	-
BELSIL® PDM 1000	-		
		<b>Esters / Ester oils</b>	
		Ethyl acetate	✓
<b>Mineral oils</b>		C12-15 alkyl benzoates	-
C9-13 isoparaffins	✓	Isopropyl myristate	✓
Mineral oil (high-visc.)	-	Decyl oleate	-
Mineral oil (low-visc.)	-	Oleyl oleate	-
		<b>Water</b>	-

✓ = soluble (&gt; 10%)

p = partially soluble (1 - 10%)

- = insoluble

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

WACKER is a trademark of Wacker Chemie AG.  
BELSIL® is a trademark of Wacker Chemie AG.

For technical, quality, or product safety questions, please contact:

Wacker Chemie AG  
Hanns-Seidel-Platz 4  
81737 München, Germany  
info.silicones@wacker.com

www.wacker.com