

# Wacker-Belsil® ADM 653

Trimethylsiloxyamodimethicone

## Characteristics

Wacker-Belsil® ADM 653 is a branched, unreactive aminofunctional polydimethylsiloxane with a viscosity of 75 mm<sup>2</sup>/s and a low amine number.

## Applications

Wacker-Belsil ADM 653 is very popular in hair care applications.

The ability of trimethylsiloxyamodimethicones to coat and protect hair is particularly evident in shampoo and conditioner formulations.

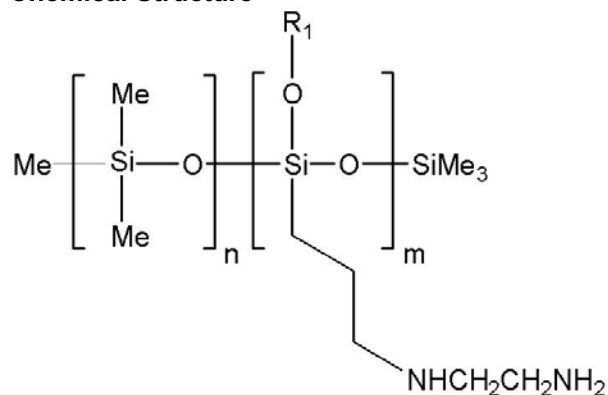
Wacker-Belsil ADM 653 does not lead to an undesirable build-up effect even after repeated use because it is easily re-emulsified and thus easily washed out.

## Storage

Wacker-Belsil ADM 653 has a shelf life of at least 12 months when stored between 5°C and 40°C in the tightly closed original container. The 'Best use before end' date of each batch appears 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.

## Chemical Structure



## Safety information

Detailed safety information is contained in each material data safety sheet, which can be obtained from our sales offices.

## Product data

Properties	Characteristics
Appearance	Clear, yellowish
Structure	Branched
Viscosity at 25°C, [mm <sup>2</sup> /s]	75
Reactivity	Unreactive
Amine number, approx., [mmol/g]	0.10
INCI name	Trimethylsiloxyamodimethicone

**Additional Information**

## Solubility

Ingredient	Wacker-Belsil ADM 653	Ingredient	Wacker-Belsil ADM 653
<b>Silicones</b>		<b>Triglycerides</b>	
Wacker-Belsil® CM 040	✓	Castor Oil	•
Wacker-Belsil® DM 1 plus	✓	Olive Oil	•
Wacker-Belsil® DM 5	✓	Wheatgerm Oil	•
Wacker-Belsil® DM 10	✓	Lanolin Oil	•
Wacker-Belsil® DM 350	✓		
Wacker-Belsil® DM 12500	✓	<b>Alcohols</b>	
Wacker-Belsil® DM 60000	✓	Octyldodecanol	•
Wacker-Belsil® PDM 20	✓	Oleyl Alcohol	•
Wacker-Belsil® PDM 1000	P	Propylene Glycol	•
		Isopropanol	✓
<b>Mineral Oil</b>		Alcohol	•
C9-13 Isoparaffin	✓	Glycerin	•
Mineral Oil, high-visc.	•		
Mineral Oil, low-visc.	•	<b>Water</b>	•
<b>Ester Oil</b>			
Ethyl Acetate	✓		
C12-15 Alkyl Benzoate	•		
Isopropyl Myristate	✓		
Oleyl Oleate	•		

✓ = Soluble (&gt; 10%)

P = Partially soluble (1 – 10%)

Δ = insoluble

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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 ANSI/ISO/ASQ Q9001 and ANSI/ISO 14001.

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