

## ABIL B 9950

Conditioning agent for damaged hair

- Improves wash fastness: reduction of the fading out of artificial dyes (demipermanent/permanent) caused by shampoos
- Improves synergistically the dry comb of Polyquaternium-10
- Improves synergistically the volume and the antistatic properties of cationic guar

Personal Care

## INCI name (CTFA name)

Dimethicone Propyl PG-Betaine

### Chemical and physical properties (not part of specifications)

Form	liquid
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### Solubility at 25 °C and a concentration of 10 % in

Water	dispersible
Cosmetic alcohol	soluble
1,2-Propylene glycol	soluble

## Properties

The conditioning effect of ABIL® B 9950 improves the combability and feel of hair.

In conditioning shampoos ABIL® B 9950 in combination with cationic guar reduces the fading out of artificial dyes caused by shampooing (improved wash fastness). Furthermore combability, volume and antistatic effects are improved in combinations with cationic guar resp.

Polyquaternium-10. The hair becomes silky, shiny and manageable. In skin cleansing products, the interaction with skin proteins provides a refatting effect that imparts a smooth and supple feel to the cleansed skin.

## Recommended usage concentration

0.5 – 5.0 % ABIL® B 9950

## Packaging

200 kg drum

## Application

- shampoos
- rinses, conditioner
- shower gels
- liquid hand soaps

The most important areas of application are conditioning shampoos, intensive treatments and hair rinses, shower gels and liquid hand soaps.

It is recommended to use ABIL® B 9950 in combination with quaternized, polymeric compounds (e. g. guar quat, polyquaternium-7 or polyquaternium-10). The activity of ABIL® B 9950 and the polyquat will be increased synergistically.

## Preparation hint

in Shampoos:

if amphoteric surfactants (like Cocamidopropyl Betaine or Amphoacetates) are used, we recommend to solubilize the ABIL® B 9950 in the amphoteric surfactant and add the remaining ingredients.

## Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

## Guide Line Formulations

Leave-in Conditioning Spray SG 1009/3	
TEGO® Alkanol L 4 (Laureth-4)	0.5 %
TAGAT® CH 40 (PEG-40 Hydrogenated Castor Oil)	0.5 %
Perfume	0.2 %
ABIL® Quat 3272 (Quaternium-80)	0.4 %
ABIL® B 9950	0.6 %
VARISOFT® 300 (Cetrimonium Chloride)	0.8 %
Water	77.1 %
TEGO® Cosmo C 100 (Creatine)	0.5 %
Ethanol	15.0 %
PVP/VA Copolymer (50%)	4.0 %
NaOH, 10%	1.2 %
<b>Preparation:</b> Dissolve the TEGO Cosmo C 100 in the water. Blend the other ingredients in the given order.	
<b>Remarks:</b> With antistatic properties, provides hair repair/protection, slight fixing effect.	

<b>Conditioning Shampoo for dyed hair SG 909/3.2</b>	
TEGO® Betain F 50 Cocamidopropyl Betaine	8.00 %
ABIL® B 9950	1.70 %
Perfume	0.25 %
Water	56.15 %
Hydroxypropyl Guar Hydroxypropyltrimonium Chloride (Jaguar C-162, Rhodia)	0.30 %
Sodium Laureth Sulfate (28%)	32.00 %
ANTIL® 200 PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate	1.60 %
Preservatives	q.s.
<b>Preparation:</b> Dissolve Hydroxypropyl Guar Hydroxypropyl- trimonium Chloride in water and let it swell. Adjust the pH value of the solution to approx. 5 for better solubility. Solubilize ABIL® B 9950 in TEGO® Betain F 50 carefully. Finally add the other ingredients in the given order.	

<b>Shampoo for fine hair</b>	
TEGO® Betain F 50 (Cocamidopropyl Betaine)	8.1 %
ABIL® B 9950	1.7 %
VARISOFT® PATC (Palmitamidopropyltrimonium Chloride)	1.0 %
Water	55.2 %
Hydroxypropyl Guar Hydroxypropyltrimonium Chloride (Jaguar C-162, Rhodia)	0.3 %
Sodium Laureth Sulfate, 28%	32.0 %
REWODERM® LI S 80 (PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate)	1.8 %
Preservative, Perfume	q.s.
<b>Preparation:</b> Dissolve the Jaguar C-162 in the water and let it swell. For a better solubility, adjust the pH-value to 5.0. Solve the listed ingredients in the given order in the Betaine carefully, then add the water/jaguar and the the Sodium Laureth Sulfate.	

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