

## VARISOFT® BTMS Pellets

Efficient cationic conditioning compound with emulsifying properties for hair and skin care formulations

- Efficient conditioning compound
- Substantive to hair and skin
- Good emulsifying properties
- Viscosity increaser / emulsion stabilizer
- Easy handling
- Vegetable based

Personal Care

## INCI Name

Cetearyl Alcohol; Behentrimonium Methosulfate

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

|                    |         |
|--------------------|---------|
| Appearance (25 °C) | pellets |
|--------------------|---------|

### Properties

- Substantive to hair and skin
- Improves wet and dry combability
- Makes hair soft and silky
- Emulsifier
- Compound with emulsion stabilizer
- Easy to handle pellets
- Easy to formulate
- Low melting temperature (approx. 60 °C)
- Vegetable based

### Application

- Hair conditioners
- Detanglers
- Deep conditioning hair relaxers
- Personal care emulsions

### Suggested usage level

2 – 10 % VARISOFT® BTMS Pellets

### Packaging

400 kg pallet (4 x 100 kg drum)

### 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

| Hair Conditioner<br>DCA-8-28   |         |
|--|---------|
| Water  | 88.65 % |
| Hydroxyethylcellulose  | 1.00 %  |
| Propylene Glycol   | 1.00 %  |
| VARISOFT® BTMS Pellets   | 4.00 %  |
| TEGO® Alkanol 1618<br>(Cetearyl Alcohol)   | 2.50 %  |
| TEGOSOFT® OP<br>(Ethylhexyl Palmitate)   | 0.40 %  |
| TEGO® Alkanol CS 20 P<br>(Cetareth-20)   | 0.60 %  |
| TEGOSOFT® CR<br>(Cetyl Rincinoleate)   | 0.80 %  |
| ABIL® Quat 3272<br>(Quaternium-80)   | 0.25 %  |
| ABIL® B 8852<br>(PEG/PPG-4/12 Dimethicone)   | 0.80 %  |
| Preservative, Perfume, Citric Acid   | q.s.    |
| <b>Preparation:</b>  |         |
| 1. Dissolve the Hydroxyethylcellulose in the water.  |         |
| 2. Add ingredients in order, up to and including Propylene Glycol, mix well and heat to 70 to 75 °C.       |         |
| 3. Add remaining ingredients, in order and up to TEGOSOFT® CR, mixing well between additions.              |         |
| 4. Cool to 50°C and add remaining ingredients, mixing well between additions.                              |         |
| 5. Cool to room temperature and adjust the pH value using citric acid to approx. 5.0 and add preservative. |         |

B 02/09

This information and all further technical advice are based on Evonik Goldschmidt GmbH's present knowledge and experience. However, Evonik Goldschmidt GmbH assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Evonik Goldschmidt GmbH disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. EVONIK GOLDSCHMIDT GMBH SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Evonik Goldschmidt GmbH reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used. (Status: February, 2008)