

TEGO® Amid S 18

Efficient conditioner and emulsifier for conditioning hair rinses

- improves the wet and dry combability of hair
- improves volume/body of hair
- improves feel of hair
- reduces the statical charge
- works as an auxiliary emulsifier in creams
- provides a pleasant skin feel

Personal Care

INCI name (CTFA name)

Stearamidopropyl Dimethylamine

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

Form	flakes
Colour	ivory
Odour	mild, fatty amine-like

Properties

TEGO® Amid S 18 is, at acid pH values, a cationic surfactant with a broad range of applications. It performs effectively as an auxiliary emulsifier in skin creams and lotions, and has been proven most valuable as a conditioner in hair care products. The ability of TEGO® Amid S 18 to contribute to both skin care and hair care preparations makes it an ideal addition to personal care products. In skin care it provides a soft cushioning effect on skin. When used in hair conditioners it contributes to combability, manageability and especially volume/body.

When used in a shampoo it shows a strong viscosity increasing effect.

Application

In personal care products it is necessary to add additional acid to ensure neutralisation.

Acid required to neutralise 1.0 g of TEGO® Amid S 18: (pH 3.5 – 4.5):

Hydrochloric acid (HCl), 36 %	0.27 g
Citric acid, anhydrous, 100 %	0.17 g
Phosphoric acid (H ₃ PO ₄), 85 %	0.11 g
Lactic acid, 88 %	0.27 g
Glacial acetic acid, 99.5 %	0.22 g

Packaging

600 kg pallet (24 x 25 kg box)

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

Conditioning hair rinse for fine hair UK 168/F/4	
Phase A	
TEGINACID® C (Ceteareth-25)	0.5 %
TEGO® Alkanol 1618 (Cetearyl Alcohol)	2.5 %
TEGO® Amid S 18	1.0 %
ABIL® Soft AF 100 (Methoxy PEG/PPG- 7/3 Aminopropyl Dimethicone)	0.5 %
Phase B	
Propylenglycol	1.0 %
Citric Acid (20%)	1.0 %
Water	93.5 %
Phase C	
Perfume	q.s.
Preservation	q.s.
Preparation: Heat phases A and B to 65–70 °C, combine both phases and homogenize. Cool down while stirring, add the perfume below 45 °C.	
Remarks: Provides good volume and style retention – does not overly soften the hair.	

Deep conditioning hair mask for damaged hair with heat protecting properties WP 45/3	
Phase A	
TEGINACID® C (Ceteareth-25)	0.5 %
TEGO® Alkanol 16 (Cetyl Alcohol)	3.0 %
TEGO® Amid S 18	1.0 %
TEGOSOFT® DEC (Diethylhexyl Carbonate)	1.0 %
ABIL® T Quat 60 (Silicone Quaternium-22)	1.5 %
Phase B	
Water	90.2 %
TEGO® Cosmo C 100 (Creatine)	0.5 %
Propylenglycol	2.0 %
Citric Acid Monohydrate	0.3 %
Phase C	
Perfume	q.s.
Preservation	q.s.
Preparation: Heat phases A and B to 70 °C, combine and homogenize. Cool down while stirring. Add preservative and perfume below 45 °C.	

Srayable Sun Protecting Milk AK 64/1	
Phase A	
Lactic Acid, 80%	0.4 %
Water	94.3 %
Phase B	
TEGO® Amid S 18	1.2 %
Phase C	
TEGIN® G 1100 Pellets (Glycol Distearate)	0.6 %
TEGO® Care PS (Methyl Glucose Sesquistearate)	1.2 %
TEGOSOFT® DEC (Diethylhexyl Carbonate)	0.3 %
ABIL® UV Quat 50 (Polysilicone-19)	2.0 %
Phase Z	
Preservative, Perfume	q.s.
Preparation: Heat Phase A up to 75 °C. Stir B into A homogeneously, add C and homogenize. Add preservative and perfume below 45°C. Remarks: Light leave-in spray with low viscosity and milky appearance (white and dense). Provides UV protecting properties.	

F 05/10

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments.

The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.
(Status: April, 2008)

Evonik Industries AG Goldschmidtstraße 100 45127 Essen, Germany
P.O. BOX 45116 Essen PHONE +49 201 173-2854 FAX +49 201 173-1828
personal-care@evonik.com www.evonik.com/personal-care

