

Technical Data Sheet

Amino Modified
Silicone Fluids

SM1300P

FEATURES

- Fluid
- Stable in a wide range of cosmetic formulations
- Favorable industrial hygiene profile
- Free of emulsifiers and preservatives
- Not tested on animals

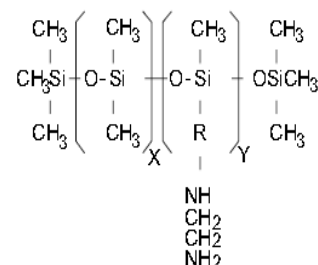
BENEFITS

- Enable cold process manufacturing
- Provides smooth, feel to dry hair
- Decrease fly-away
- Improves shine in shampoo

COMPOSITION

- Amino functional polydimethylsiloxane

INCI name
SM1300P : Amodimethicone



1. Product Description

SM1300P is amino functional polydimethylsiloxane. The organic-like nature of the primary amine groups on amodimethicone causes this silicone polymer to have some affinity for hair, resulting in a product with longer lasting benefits such as conditioning and feel.

2. Product Description

- Ingredient for hair care formulations to enhance conditioning
- clear and opaque added value conditioning shampoos
- Environmentally degradable and non-bioaccumulative
- Free from animal derived ingredients or impurities

3. Applications

- A. Hair care
- Benefits : Improves the color depth and longevity offers superior conditioning and shining
 - Typical use level : 0.5~3%

4. Typical Product Data

TEST	UNIT	SM1300P
Appearance		Clear to slightly hazy
Color		Colorless to pale yellow
Viscosity (25°C)	mPa·s	2,000
Refractive index (25°C)		1.407
Specific gravity (25°C)		0.98
Flash point	°C	149
Nitrogen	%	1.0

* These values are not intended for use in preparing specifications.



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5. Compatibility/Solubility

Ingredient	SM1300P to ingredient ratio 1 : 1
Isopropyl laurate	C
Isopropyl myristate	C
Isopropyl palmitate	C
Mineral oil	NC
Etanol	NC
Propylene glycol	NC
Water	NC
Isodecane	C
Isopar H	C
Cyclopentasiloxane (and) Dimethicone	C
Dimethicone, 350cSt	C
Phenyltrimethicone	C
Lanolin oil	NC

* C : Compatible
* NC : Not Compatible

6. How to use

- SM1300P may be incorporated into most personal care cosmetic applications to enhance the luxurious silky, soft aesthetics, or to improve substantivity spreading and water-resistance.
- It is recommended to incorporate these gum blend fluids into the oil phase, and more preferably, solubilize into one of the formulation composition ingredients.
- Add the gum blend fluid below 60°C(140F) with high turbulent or shear mixing. For aqueous systems, it is advisable to incorporate the Gum blend into a good co-emulsifier and high shear mix to a uniform size emulsion.

7. Handling Precautions

Product safety information required for safe use is not included in this document. Before handling, read product and material safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available from your KCC representative, or distributor, or by writing to KCC customer service. Use caution when handling volatile fluids at temperatures within 10°C of the quoted flash point.



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8. Usable Life and Storage

When stored at or below 25°C in the original unopened containers, this product has a usable life of 24 months from the date of production.

9. Packaging

SM1300P 18Kg / Pail, 190kg / Drum

Samples are available in 500 gram packs.

10. Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

11. Warranty Information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use. KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages.

12. The date of publication

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