

PolySaf 5600 Polymer

Features

- Excellent deodorancy properties
- Non-irritating
- Delivers exceptional rinsability and clean feel
- Develops creamy, dense foam
- Compatible with a wide range of ingredients
- Offers excellent compatibility with alcohols
- Excellent carrier of lipophilic materials in shampoo formulations; substantive to hair
- Demonstrates anti-static properties
- Supplied as an easy-to-handle liquid emulsion

Description

PolySaf 5600 polymer provides exceptional deodorancy performance in personal care products. This non-irritating cationic polymer also enhances the sensory performance of body washes, shampoos and deodorants. PolySaf 5600 polymer is supplied as a formulation-ready milky-white liquid emulsion.

PolySaf 5600 polymer and its uses are covered by patents pending and applied for.

INCI Name

Butyl Acrylate/Ethyltrimonium Chloride Methacrylate/Styrene Copolymer

Typical Uses

Cosmetic formulations, including body wash, shampoo, deodorant, skin conditioners

Table 1 - Typical Properties*

Property	Value
Appearance	Milky-white liquid emulsion
Solids, %	39 – 41
pH	4.0 – 6.0
pH Stability	1.0 – 11.0
Specific Gravity	0.98 – 1.04

*Typical properties not to be construed as specifications

Table 2 - Safety Tests

Test	Result
HETCAM ¹	5
MATTEK ²	ET-50 > 24 hrs.
RIPT ³	0

¹40% active solution of PolySaf 5600 polymer tested at 100% concentration demonstrated slight ocular irritation.

²40% active solution of PolySaf 5600 polymer tested at 100% concentration determined to be non-irritating.

³40% active solution of PolySaf 5600 polymer tested at 100% concentration showed no dermal irritation or allergic contact sensitization.

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Storage and Handling

Protect from freezing. Ideal storage temperature is 22°C (72°F). Stability at 22°C (72°F) is 180 days when properly stored. **Read the Material Safety Data Sheet before handling, storing or using this product.**

Learn More About PolySāf 5600 Polymer; Request a Sample

For product information or to request samples, contact Lisa Droste of Mallard Creek Polymers at 1-800-547-0622, ext. 1091 or visit www.polysaf-polymers.com.

Starting Point Formulations

Suggested formulations for a variety of cosmetic personal care products are available.

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

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