

## Solvay MACKINEÂ® 401 Surfactant

Category : Fluid , Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

**Product Description:** Mackine 401 is slightly soluble in water but becomes readily soluble when neutralized with acid, becoming a cationic surfactant. The tertiary amine group can also react with hydrogen peroxide, chloroacetate and alkylchlorides to form amine oxides, betaines and quaternary ammonium compounds. As a cationic surfactant, Mackine 401 becomes substantive to hair and provides conditioning properties. The degree of conditioning depends on the types of acid used. Lactic, citric and propionic acids have been found to be excellent choices. In addition, the salts formed with Mackine 401 are compatible with anionic surfactants and will not depress foam. This enables the development chemist to incorporate Mackine 401 into conditioning shampoos without introducing the negative effects found with quaternary ammonium compounds. Provides a very soft feel. INCI Name: Isostearamidopropyl Dimethylamine CAS: 67799-04-6 EINECS: 267-101-1 Uses: Liquid Conditioners, Cream Rinses and Cream Hair Conditioners Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-MACKINE-401-Surfactant.php](http://www.lookpolymers.com/polymer_Solvay-MACKINE-401-Surfactant.php)

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in <sup>3</sup>	

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 6.0	<= 6.0	

Processing Properties	Metric	English	Comments
Shelf Life	48.0 Month	48.0 Month	

Descriptive Properties	Value	Comments
Appearance	Clear to Hazy Liquid	
Composition	Amidoamine	>90% MW=376
	Amine Number	150-165
	DMAPA	<1%
	Free Fatty Acid	<4% MW=294

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China