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TECHNICAL DATA SHEET

Silamine[®]T-SA
Silicone Amino Fluid

DESCRIPTION

Silamine[®]T-SA is a reactive amino functionalized silicone fluid developed for use as a base in formulating textile softeners and lubricants. It is a cost effective amino silicone that imparts a typical soft amino hand.

TYPICAL PROPERTIES

Appearance	Clear to slightly hazy
Odour	Slight amine odour
Viscosity (25 ^o C)	800-5,000 cst
Specific Gravity (25 ^o C)	0.98
Active Content %	100
Amine Number	0.4

USES AND APPLICATIONS

Silamine[®]T-SA is designed as a base fluid for formulating both amino micro and macro emulsions that are used as textile softeners in fabric finishing processes. It may be used as a stand alone or in conjunction with organic softeners. **Silamine[®]T-SA** can be emulsified using a conventional mixer or homo-mixer to get a clear emulsion.

Typical fabrics to be softened include cellulose, man-made fibres and their blends, including both woven as well as knitted fabrics.

Key features of **Silamine[®]T-SA** include:

- Smooth, silky soft hand
- Durable softness
- Good drape characteristics
- Increased fabric elasticity and crease recovery
- Improved wrinkle recovery and lubricity

STARTING FORMULATION

Micro emulsion

Silamine® T-SA	15%
Surfactant C11-13(EO)3 (oxo alcohol polyglycol ethers)	3%
Surfactant C11-13 (EO)8 (oxo alcohol polyglycol ethers)	6%
Water I	7.0%
Water II	22.9%
Water III	22.9%
Water IV	22.9%
Glacial Acetic Acid	0.3%

Procedure:

- Mix **Silamine® T-SA**, surfactants and Water I for 45 minutes until homogenous.
- Repeat for Water II, III and IV and mix for 45 min after each addition until homogenous.
- Add acetic acid and mix for 20 min to get a clear emulsion.
- Filtrate and package.

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information

STORAGE AND SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silamine® T-SA** has a shelf life of 24 months from date of manufacture.

PACKAGING

Silamine® T-SA is available in 20 Kg and 200 Kg containers.

LEGAL DISCLAIMER

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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