



Technical Data Sheet

AMINO SILICONE FLUIDS (SS AMS -)

APPLICATIONS

SS-AMS can be easily converted into emulsion by using non ionic emulsifiers which are used in textile (Cloth & Garments) & leather to generate surface smoothness with a soft handle, suppleness & silky finish that is capable of withstanding repeated washing cycles. They are especially useful for Sarees, Suiting, 100% Cotton / Hosiery / Blended - Yarns / Fabrics / Towels / Denim. SS AMS 200 gives supper softness while retaining the hydrophilicity. Especially effective for Terry Towels, Nit Wear. Cotton and cotton blends etc. The product can be used by both methods i.e. padding as well as exhaust.

FEATURES

1. Gives an excellent soft handle
2. Resistant to washing and abrasion
3. Reactive
4. Readily form micro emulsions that are dilution stable
5. Amino functional silicone
6. Give an elastomeric film
7. 100% active
8. Emulsion Stable in up to 500-ppm hard water and 0.1% electrolyte.
9. Antistatic
10. Excellent bounce and wrinkle recovery
11. AMS 200 gives Hydrophilic softness

LIMITATIONS

These Products are neither tested nor represented as suitable for Medical or Pharmaceutical use.

PACKAGING

50 Kg & 200 Kg

DESCRIPTION

SS AMS are Amino modified Silicone Fluids which are reactive and non reactive in nature that give excellent elastic properties, bounce, excellent softness, silky finish to variety of fabrics with durability and unique handle. If required, Supreme Silicones will provide emulsification process along with emulsifier.

TYPICAL PROPERTIES

Product Name	Appearance	Viscosity cps @ 25°C	Volatile % @ 150 °C, 1 hr	R.I @ 25°C	Amine Value (mg of KOH)	Specific Gravity @ 25°C
AMS 170	Clear to slight hazy Liquid	800-1200	< 5	1.406 To 1.409	16-18	0.96-0.98
AMS 100		4000-6000	< 5		9-11	0.96-0.98
AMS 270		700-1000	< 5		26-28	0.96-0.98
AMS 320		800-1200	< 5		31-33	0.96-0.98
AMS 250		1800-2200	< 5		24-26	0.96-0.98
AMS 200		Hydrophilic softener oil				

PRODUCT & PERFORMANCE

	AMS 270	AMS 320	AMS 170	AMS 100	AMS 250
Reactivity	Non React.	Reactive	Reactive	Reactive	Reactive
Softness	Good (Both)	Good (inner)	Excellent (Inner)	Excellent (Surface)	Good (Inner)
Feel on Fabric	Good Limpy , Silky feel	Very good Elastomeric & Very Soft	Good, Soft & Silky Feel	Excellent Elastomeric, Very good Handfeel	Excellent Elastomeric Imparts bulk body
Yellowing	Avg. Yellowing	Avg. Yellowing	Low Yellowing	Very Low Yellowing	Avg. Yellowi

HOW TO USE

Supreme Silicones AMS can be easily converted into micro emulsion by using suitable non-ionic emulsifiers. The micro emulsion can be diluted to any required concentration as per need The preferred method of dilution is to add water to the emulsion and not vice versa.

USABLE LIFE AND STORAGE

When stored bellow 45°C in the original unopened containers, Amino Silicones have a usable life of 12 months from the date of manufacturing. It should be stored away from Direct Sun Light

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.** Supreme Silicone's sole warranty is that the product will meet the Supreme Silicone's sales specifications in effect at the time of shipment. Supreme Silicones specifically disclaims any other express or implied warranty of fitness. Supreme Silicones disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.