

Product Information

TEGOTEX® CS 8081

TEGOTEX® CS 8081 is a new quaternary silicone for hydrophilic textile treatment.

PRODUCT DESCRIPTION

TEGOTEX® CS 8081 substantive quaternary silicone.

Typical Properties

Property	Unit	Value
Activity	%	80
quat nitrogen	0.23 -0.33 %	
Appearance		Yellowish liquid
Product Form		Medium viscous
Surfactant Type		Cationic
Viscosity	mPa·s	1200-1800

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGOTEX® CS 8081 is recommended as substantive, very high-performance softening agent with excellent rewetting properties for textile applications.

TEGOTEX® CS 8081 provides excellent softness for non-wovens and fabrics made of natural or man-made fibers. It is also recommended as a component for diverse preparations.

TEGOTEX® CS 8081 is used in macro and micro-emulsions dependent on the co-emulsifier used.

TEGOTEX® CS 8081 can be formulated with organic quaternaries, non-ionic softeners and textile auxiliaries like optical brighteners and dye fixing agents.

Product Composition

Product Composition	Unit	Value
Active Content	wt%	78-82

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- TEGOTEX® CS 8081 gives outstanding soft, bulky and silky hand feel combines with excellent hydrophilicity and good non-yellowing behavior
- It is easy to formulate at room temperature conditions. Macro emulsions made with TEGOTEX® CS 8081 shows good stability and maximal softness
- Emulsions made with TEGOTEX® CS 8081 gives a broader pH stability to traditional silicone quaternaries. Micro emulsions made with TEGOTEX® CS 8081 show good stability even at high shear rates

DOSAGE

TEGOTEX® CS 8081 can be applied by the exhaust method or by padding. For padding applications we recommend a dosage of approx. 2-8% TEGOTEX® CS 8081.

For the exhaust method we recommend approx. 0.1-0.8% TEGOTEX® CS 8081 (based on textile weight) at a temperature of 40°C and duration approx. 20 min.

HANDLING & PROCESSING

Should the material have a turbid appearance, this is not a quality disadvantage and does not have any negative effect on the performance.

Guide Formulations

20% Clear Emulsion, maximal hydrophilic

TEGOTEX® CS 8081	25.0%
TOMADOL® 25-9	1.5%
Butyl-di-glycol	10.0%
Acetic acid	0.3%
Water	68.2%

Processing:

Add all ingredients together with TEGOTEX® CS 8081 into the vessel and start to stir until clear. Add water into

the above mixture vessel and keep stirring to homogenise the emulsion.

Adjust pH value to 5.5-6.5 with acetic acid.

56% Clear Emulsion, maximal hydrophilic/handfeel, low water content

TEGOTEX® CS 8081 55.0%

TEGO® SQS 25 10.0%

TEGO® Betain F 50 33.0%

REWOQUAT® CR 3099 2.0%

Processing

Add all ingredients one after the other in the given order, while stirring. Keep stirring to homogenise the emulsion.

PACKAGING

Pallet size 4x 200 kg drum, 950 kg containers

SHELF LIFE

12 months from manufacturing date in original sealed containers at room temperature.

HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects is given in our material safety data sheets.

REGISTRATION LISTING SUMMARY

The relevant components of TEGOTEX® CS 8081 are listed/registered or exempt in the following chemical inventories.

Registration Listings

Registry	Status
EU (EINECS/ELINCS)	Yes
Philippines (PICCS)	Yes

Disclaimer

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