

TEGO® Sulfosuccinate DO 75

Anionic surfactant for high oil containing, foaming cleansing formulations

Intended use

Surfactant

Benefits at a glance

- Suitable for body washes / shampoos with high oil content (up to 50%) and good foaming effect
- Compatible with anionic, amphoteric and non-ionic surfactants

INCI (PCPC name)

Diethylhexyl Sodium Sulfosuccinate

Chemical and physical properties (not part of specifications)

Appearance (20 °C)	Nearly colorless, clear liquid
Active matter	approx. 75%
Propylene Glycol / Water	approx. 25%

Properties

TEGO® Sulfosuccinate DO 75 is an anionic surfactant, compatible with other anionic, amphoteric and non-ionic surfactants.

TEGO® Sulfosuccinate DO 75 is soluble in oils. Its limited solubility in water can be improved by addition of other surfactants or solubilizers.

Application

TEGO® Sulfosuccinate DO 75 is highly suitable for body washes / cleansing formulations with high oil contents (20 – 50%). It enables formulations with good foaming properties despite the high oil contents with a very creamy texture. It can be combined with typical surfactants like Cocamidopropyl Betaine and/or Sodium Laureth Sulfate. No additional solubilizer is needed.

Preparation

- TEGO® Sulfosuccinate DO 75 is blended with the oil before adding the water and other surfactants.
- Formulations with high oil contents (up to 50%): TEGO® Sulfosuccinate DO 75 is dissolved in the oil at 60°C. The other surfactants are blended in water at 60°C. Both phases are combined and homogenized, and cooled down while stirring. The processing is also possible at room temperature. This results in a lower viscosity of the formulations.
- To avoid hydrolysis, the pH-value of the formulations should be adjusted to 5 – 7.

Recommended usage concentration

5 – 20% TEGO® Sulfosuccinate DO 75

Storage stability

TEGO® Sulfosuccinate DO 75 as delivered can be stored in closed drums for 12 months.

It should be stored in sealed original packaging between 10 – 30°C.

Avoid temperatures below 0°C.

Prolonged storage in cold conditions may result in cloudiness or crystalline precipitation. The product can be homogenized by gentle warming and stirring without affecting the quality.

Packaging

800 kg pallet (4 x 200 kg drums)

1000 kg container

Hazardous goods classification

Information concerning

- classification and labeling according to regulations for transport and for dangerous substances
 - protective measures for storage and handling
 - measures in accidents and fires
 - toxicity and ecological effects
- is given in our material safety data sheet.

Guideline formulation

Foaming Intensive Care Body Wash Cream , sulfate-free UL 5761/21		
A	Sunflower oil	50.0%
	TEGO® Sulfosuccinate DO 75	9.3 %
B	REWOPOL® SB FA 30 B (Disodium Laureth Sulfosuccinate)	7.5%
	TEGO® Betain F 50 (Cocamidopropyl Betaine)	7.9%
	Water	ad 100.0%
	Glycerin	2.0%
	Preservative, Perfume	q.s.
Preparation: Heat both phases up to 60°C. Blend phase A into phase B and homogenize for 1 min. Add perfume below 45°C. Remarks: pH=5.5; viscosity (Brookfield, 25°C): 30.000 mPas.		

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