



## **Product Bulletin**

Product Name

Chemical Structure

CAS Registry No.

**INCI Name** 

**Applications** 

Typical Properties

Biodegradability

**Toxicity** 

Storage & Handling

Storage & Handling

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## STEPANOL® WAT

CH<sub>3</sub> (CH<sub>2</sub>)<sub>11</sub> OSO<sub>3</sub> N(CH<sub>2</sub>CH<sub>2</sub>OH)<sub>3</sub>

117875-77-1 (Alternate CAS 139-96-8)

TEA Lauryl Sulfate

STEPANOL WAT is a triethanolamine lauryl sulfate produced from the sulfation of fatty alcohol via Stepan's continuous SO<sub>3</sub> process. This process allows the consistent production of a high purity product such as STEPANOL WAT.

STEPANOL WAT can be used in shampoos, bubble baths, liquid hand soaps, and other personal care applications. It provides formulations with dense, creamy foam which, along with its viscosity characteristics, has excellent cosmetic appeal. STEPANOL WAT is easily formulated with alkanolamides and amphoterics for optimization of foam and viscosity characteristics. It can be used in clear products where low temperature clarity is important.

Appearance at 25 °C	Clear liquid
Appearance at 25 °C Actives, % (MW 429)	40
Unsulfated Material, %	1.00
TEA HCI, %	0.20
TEA Sulfate, %	
pH, 10% aqueous	7.2
Color, %T at 410 nm	
Cloud Point (as is), °C (°F)	0 (32)
Pour Point, °C (°F)	1 (30)
Boiling Point, °C (°F)	>100 (>212)
Freeze Point, °C (°F)	4 (25)
Flash Point (PMCC), °C (°F)	
Viscosity at 25 °C, cps	456
Viscosity at 60 °C, cps	1
Density, g/ml (lbs/U.S. gal.)	1.04 (8.7)
RVOC, U.S. EPA, %	0
Preservative F	Formaldehyde

Product is readily biodegradable. Additional information is available upon request.

STEPANOL WAT is moderately to slightly toxic orally (LD<sub>50</sub> ranging from 0.25 to >1.95 g/kg) and causes moderate to severe eye and mild skin irritation at 10% active.

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEPANOL WAT. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that STEPANOL WAT be stored in sealed containers and kept at temperatures above 45 °F (7 °C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

<u>Bulk Storage Information</u>: Tanks made of 316 stainless steel or fiberglass with an Atlac 382 corrosion liner are recommended. Certifugal pumps and piping should be 316 stainless steel. Recommended storage for bulk tanks is 85-105 °F (29-41 °C).

STEPANOL® is a registered trademark of Stepan Company.



Clearances

Standard Packaging: STEPANOL WAT is available in bulk and 55 gallon drums (net weight 450 lb/204 kg).

All components of STEPANOL WAT are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: United States (TSCA 117875-77-1), Australia (AICS 139-96-8), Canada (DSL 117875-77-1), China (IECSC 117875-77-1), Europe (EINECS 205-388-7), Japan (ENCS 2-1675), Korea (ECL Serial No. KE-32633), New Zealand (NZIoC 117875-77-1), Philippines (PICCS 139-96-8), and Taiwan (TCSI 117875-77-1).

It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.

STEPANOL WAT is available as Kosher Certified.

Product Stewardship

Additional Safety Information This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

A Safety Data Sheet is available upon request.

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