



## Product Bulletin

Product Name	<b>CEDEPAL® TD-403 MKLD</b>
Chemical Structure	$C_{13}H_{27}(OCH_2CH_2)_nOSO_3Na$
Chemical Description	Sodium Tridecyl Ether Sulfate
CAS Registry Number	25446-78-0
INCI Name	Sodium Trideceth Sulfate
Applications	CEDEPAL TD-403 MKLD is a mild branched chain alkyl ether sulfate. It is used in personal care products including shampoos, hand soaps and bath products. It has excellent wetting and foaming properties. It is also used for mild cleansing and baby products and it is used as an emulsifying agent.
Typical Properties	<p>Appearance at 25°C ..... Clear, light yellow liquid</p> <p>pH, 10% aqueous ..... 5.8</p> <p>Actives, % (EW 434) ..... 30</p> <p>Color, Gardner ..... 4 max.</p> <p>Viscosity at 0°C, cps ..... 2,060</p> <p>Viscosity at 25°C, cps ..... 700</p> <p>Viscosity at 60°C, cps ..... 160</p> <p>Flash Point, PMCC, °C (°F) ..... &gt;94 (&gt;201)</p> <p>Density, g/ml (lbs/U.S. gal) ..... 1.03 (8.6)</p> <p>RVOC, U.S. EPA, % ..... 0</p> <p>Preservative ..... Methylchloroisothiazolinone/Methylisothiazolinone</p>
Environmental Effects	Product is biodegradable. A detailed biodegradability statement is available upon request.
Storage & Handling	<p>Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling CEDEPAL TD-403 MKLD. Contact with eyes, nose or prolonged contact with skin should be avoided. Wash thoroughly after handling CEDEPAL TD-403 MKLD. See SDS for more information.</p> <p><u>Standard Packaging:</u> CEDEPAL TD-403 MKLD is available in drums, totes, and bulk quantities.</p> <p><u>Non-Bulk Storage Recommendations:</u> CEDEPAL TD-403 MKLD should be stored in closed containers and kept in a cool, dry place away from incompatible materials (see Section 10 of the SDS). If material is frozen it should be heated gently and stirred to ensure it is homogeneous prior to use. Polyethylene drums are recommended for storage of CEDEPAL TD-403 MKLD.</p> <p><u>Bulk Storage Recommendations:</u> CEDEPAL TD-403 MKLD should be stored in 316 stainless steel or fiberglass with a corrosion liner. Mild agitation is recommended while storing to maintain homogeneity. Material should be stored between 73-104°F (23-40°C). An internal hairpin coil of 316 stainless steel with low pressure steam (under 50 psig) should be used if heating is required. Pumps, pipes and transfer lines should be 316 stainless steel.</p>



Due to the sensitivity of the Methylchloroisothiazolinone/Methylisothiazolinone preservative, the storage temperature should not exceed 110°F (43°C) for any extended period of time. Degradation of the preservative is accelerated by temperature > 104°F (>40°C).

Workplace Exposure

Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace safety practices should be used to control these exposures. See SDS for more information.

Clearances

The international inventories (country clearances) of CEDEPAL TD-403 MKLD can be found in Section 15 of the Safety Data Sheet (SDS). 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. If you have any further questions regarding inventories, please contact North America Technical Service at techserv@stepan.com.

Product Stewardship

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

Additional Safety Information

A Safety Data Sheet (SDS) is available upon request.



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**Stepan**   
**Corporate Headquarters**  
**Northfield, Illinois 60093, U.S.A.**  
**Phone: 847-446-7500**  
**Fax: 874-501-2100**  
**Website: [www.stepan.com](http://www.stepan.com)**

For Technical Service Call:  
Stepan North America **+1-800-745-7837**  
Stepan Mexico **+55-11-5089-2208**  
Stepan Quimica **+55-11-5089-2200**  
Stepan Colombia **+571-636-2808**  
Stepan Europe **+33-476-505-160**  
Stepan Asia **+656-879-9855**  
Stepan Philippines **+656-879-9855**

For Customer Service Call:  
Stepan North America **+1-800-457-7673**  
Stepan Mexico **+52-555-533-1967**  
Stepan Quimica **+55-11-5089-2200**  
Stepan Colombia **+57-6-8993125**  
Stepan UK **+44-161-338-5511**  
Stepan France **+33-476-50-51-00**  
Stepan Philippines **+63-2-842-7951**