

Product Bulletin

Product Name	STEPANOL® ME-DRY																						
Chemical Structure	CH ₃ (CH ₂) ₁₀ CH ₂ OSO ₃ Na																						
Chemical Description	Sodium Lauryl Sulfate																						
CAS Registry Number	151-21-3 (Alternate CAS No. 73296-89-6, 68585-47-7)																						
INCI Name	Sodium Lauryl Sulfate																						
Applications	<p>STEPANOL ME-DRY is a sodium lauryl sulfate derived from fatty alcohol sulfonated via Stepan's continuous SO₃ process. The product of this process is then spray dried to produce a white powder.</p> <p>STEPANOL ME-DRY is used in powdered bubble baths, hand cleaners, and detergents. Because of its excellent foaming properties, STEPANOL ME-DRY is used in liquid hand soaps, shampoos, and other personal care and detergent applications.</p>																						
Typical Properties	<table border="0"> <tr> <td>Appearance at 25°C</td> <td>White powder</td> </tr> <tr> <td>Actives (MW 299), %</td> <td>90</td> </tr> <tr> <td>Unulfated Material, %</td> <td>3.5 max.</td> </tr> <tr> <td>Sodium Chloride, %</td> <td>2.0 max.</td> </tr> <tr> <td>Sodium Sulfate, %</td> <td>3.5 max.</td> </tr> <tr> <td>pH, 1% aqueous</td> <td>9.8</td> </tr> <tr> <td>Color, APHA, 10% active</td> <td>200</td> </tr> <tr> <td>Boiling Point, °C (°F)</td> <td>>100 (>212)</td> </tr> <tr> <td>Density, approximately g/ml (lbs/U.S. gal)</td> <td>0.48 (4.0)</td> </tr> <tr> <td>RVOC, U.S. EPA, %</td> <td>0</td> </tr> <tr> <td>Preservative</td> <td>Not required</td> </tr> </table>	Appearance at 25°C	White powder	Actives (MW 299), %	90	Unulfated Material, %	3.5 max.	Sodium Chloride, %	2.0 max.	Sodium Sulfate, %	3.5 max.	pH, 1% aqueous	9.8	Color, APHA, 10% active	200	Boiling Point, °C (°F)	>100 (>212)	Density, approximately g/ml (lbs/U.S. gal)	0.48 (4.0)	RVOC, U.S. EPA, %	0	Preservative	Not required
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Environmental Effects	Product is readily biodegradable. A detailed biodegradability statement is available upon request.																						
Health Effects	STEPANOL ME-DRY is slightly toxic orally to mammals (LD ₅₀ is between 0.8 to 1.1 g/kg) and aquatic organisms (LC ₅₀ =12 mg/L). At 10% active, it causes moderate to severe skin and eye irritation.																						
Storage & Handling	<p>Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling STEPANOL ME-DRY. Contact with eyes, nose or prolonged contact with skin should be avoided. Wash thoroughly after handling STEPANOL ME-DRY. Avoid inhaling dust. See SDS for more information.</p> <p><u>Standard Packaging:</u> STEPANOL ME-DRY is available in drums quantities.</p> <p><u>Non-Bulk Storage Recommendations:</u> STEPANOL ME-DRY should be stored in closed containers and kept in a cool, dry place to avoid agglomeration, and should be kept away from incompatible materials (see Section 10 of the SDS).</p>																						
June 2021 Supersedes: Oct. 2017	STEPANOL® is a registered trademark of Stepan Company.																						



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 practices should be used to control these exposures. See SDS for more information.

Clearances

The international inventories (country clearances) of STEPANOL ME-DRY 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.

STEPANOL ME-DRY is available as Kosher Certified.

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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