

Product Bulletin

Product Name	MAPROSYL® 30-B	
Chemical Structure	$\text{CH}_3(\text{CH}_2)_{10}\overset{\text{O}}{\underset{\text{CH}_3}{\underset{ }{\text{C}}}}-\text{N}-\text{CH}_2\text{COONa}$	
Chemical Description	MAPROSYL 30-B is derived from natural fatty acids and N-methyl glycine (an amino acid sarcosine).	
CAS Registry Number	137-16-6	
INCI Name	Sodium Lauroyl Sarcosinate	
Applications	<p><u>Functional Properties</u></p> <ul style="list-style-type: none"> Mild Sulfate-Free Foam Booster/Stabilizer Wetting Agent Good Detergency Corrosion Inhibitor Increases solubility of other surfactants Compatible with anionics, nonionics, and cationic surfactants Stable in neutral to moderately acidic formulations High Salt Tolerance Emollient Conditioner Good Rinsibility Low Cloud Point Rapid Biodegradability <p><u>End Product Uses</u></p> <ul style="list-style-type: none"> Shampoos Manicuring Products Bubble Baths Aerosols (shaving creams, shampoos, etc.) Alkaline Cleaners Automatic Dishwasher Rinse-Aids Liquid Dishwashing Detergents Rug & Upholstery Shampoos Aerosols (window, upholstery cleaners, etc.) Emulsion Polymerization 	
Typical Properties	<p>Appearance Clear liquid</p> <p>Actives (MW 293), % 30.0</p> <p>pH, 5% aqueous 8</p> <p>Color, Gardner 2 max.</p> <p>Residual Fatty Acid (as Sodium Laurate), % 2</p> <p>Boiling Point, °C (°F) >100 (>212)</p> <p>Cloud Point, °C (°F) -2 (35)</p> <p>Freeze Point, °C (°F) -2 (35)</p> <p>Flash Point, PMCC, °C (°F) >94 (>201)</p> <p>Viscosity at 20°C, cps 29</p> <p>Viscosity at 60°C, cps 15</p> <p>Density at 20°C, g/mL (lbs/U.S. gal) 1.03 (8.6)</p> <p>HLB 29.8</p> <p>RVOC, U.S. EPA, % 0</p> <p>Preservative Sodium Benzoate</p>	



Environmental Effects

MAPROSYL 30-B is readily biodegradable. A detailed biodegradability statement is available upon request.

Health Effects

MAPROSYL 30-B is practically nontoxic orally ($LD_{50} > 5000$ mg/kg) in rats. The product is severely irritating to eyes and causes mild to moderate skin irritation at 30% active. See SDS for further information.

Storage & Handling

Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling MAPROSYL 30-B. Contact with eyes, nose or prolonged contact with skin should be avoided. Wash thoroughly after handling MAPROSYL 30-B. See SDS for more information.

Standard Packaging: MAPROSYL 30-B is available in drum and tote quantities.

Non-Bulk Storage Recommendations: MAPROSYL 30-B should be stored in closed containers and kept in a cool, dry place away from incompatible materials (see Section 10 of the SDS). It is recommended that MAPROSYL 30-B be stored in sealed containers and kept at temperatures between 50°F (10°C) and 120°F (49°C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use. If material is frozen it should be heated gently and stirred to ensure it is homogeneous prior to use.

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 MAPROSYL 30-B 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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