



Product Bulletin

Product Name	STEPANOL[®] AMV																																				
Chemical Structure	CH ₃ (CH ₂) ₁₀ CH ₂ OSO ₃ NH ₄																																				
CAS Registry No.	68081-96-9																																				
INCI Name	Ammonium Lauryl Sulfate																																				
Applications	<p>STEPANOL AMV is an ammonium lauryl sulfate derived from fatty alcohol sulfated via Stepan's continuous SO₃ process. This process allows the highest reproducibility in finished products because of the consistent quality of the surfactant.</p> <p>STEPANOL AMV can be used in a variety of detergent and personal care formulations and is ideal for acidic shampoo systems. STEPANOL AMV can be used in systems that require an excellent viscosity response and are sensitive to the presence of hydrotrope. It is an excellent choice for gel products. In addition, STEPANOL AMV will generate generous foam and is compatible with alkanolamides and amphoteric. STEPANOL AMV will give off an ammonia odor when the pH is alkaline.</p>																																				
Typical Properties	<table><tr><td>Appearance at 30°C</td><td>Clear to slightly hazy viscous liquid</td></tr><tr><td>Actives (MW 297), %</td><td>28.17</td></tr><tr><td>Unsulfated Material, %</td><td>0.71</td></tr><tr><td>Ammonium Chloride, %</td><td>0.01</td></tr><tr><td>Ammonium Sulfate, %</td><td>0.52</td></tr><tr><td>pH, 10% aqueous</td><td>6.53</td></tr><tr><td>Color (APHA), as is</td><td>29</td></tr><tr><td>Cloud Point (as is), °C (°F)</td><td>10 (50)</td></tr><tr><td>Flash Point (PMCC), °C (°F)</td><td>>94 (>201)</td></tr><tr><td>Pour Point, °C (°F)</td><td>12 (53)</td></tr><tr><td>Boiling Point, °C (°F)</td><td>100 (212)</td></tr><tr><td>Freeze Point, °C (°F)</td><td>9 (48)</td></tr><tr><td>Viscosity, cps at 25°C</td><td>10000</td></tr><tr><td>Viscosity, cps at 60°C</td><td>1000</td></tr><tr><td>Density, g/ml (lbs/U.S. gal.)</td><td>1.03 (8.59)</td></tr><tr><td>Critical Micelle Concentration, mg/L</td><td>767</td></tr><tr><td>RVOC, U.S. EPA, %</td><td>0</td></tr><tr><td>Preservative</td><td>Formaldehyde</td></tr></table>	Appearance at 30°C	Clear to slightly hazy viscous liquid	Actives (MW 297), %	28.17	Unsulfated Material, %	0.71	Ammonium Chloride, %	0.01	Ammonium Sulfate, %	0.52	pH, 10% aqueous	6.53	Color (APHA), as is	29	Cloud Point (as is), °C (°F)	10 (50)	Flash Point (PMCC), °C (°F)	>94 (>201)	Pour Point, °C (°F)	12 (53)	Boiling Point, °C (°F)	100 (212)	Freeze Point, °C (°F)	9 (48)	Viscosity, cps at 25°C	10000	Viscosity, cps at 60°C	1000	Density, g/ml (lbs/U.S. gal.)	1.03 (8.59)	Critical Micelle Concentration, mg/L	767	RVOC, U.S. EPA, %	0	Preservative	Formaldehyde
Appearance at 30°C	Clear to slightly hazy viscous liquid																																				
Actives (MW 297), %	28.17																																				
Unsulfated Material, %	0.71																																				
Ammonium Chloride, %	0.01																																				
Ammonium Sulfate, %	0.52																																				
pH, 10% aqueous	6.53																																				
Color (APHA), as is	29																																				
Cloud Point (as is), °C (°F)	10 (50)																																				
Flash Point (PMCC), °C (°F)	>94 (>201)																																				
Pour Point, °C (°F)	12 (53)																																				
Boiling Point, °C (°F)	100 (212)																																				
Freeze Point, °C (°F)	9 (48)																																				
Viscosity, cps at 25°C	10000																																				
Viscosity, cps at 60°C	1000																																				
Density, g/ml (lbs/U.S. gal.)	1.03 (8.59)																																				
Critical Micelle Concentration, mg/L	767																																				
RVOC, U.S. EPA, %	0																																				
Preservative	Formaldehyde																																				
Biodegradability	Product is biodegradable. Additional information is available upon request.																																				
Toxicity	STEPANOL AMV is slightly toxic orally (LD ₅₀ is 3 to 5.5 g/kg) and causes moderate to severe irritation to eyes and severe irritation to skin at 10% active.																																				
Storage & Handling	<p>Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEPANOL AMV. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.</p> <p>It is recommended that STEPANOL AMV 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.</p>																																				



Storage & Handling

Bulk Storage Information: Tanks made of 316 stainless steel or fiberglass with an Atlac 382 corrosion liner are recommended. Gear pumps and piping should be 316 stainless steel. Recommended storage for bulk tanks is 90-125°F (32-52°C).

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

Clearances

All components of STEPANOL AMV are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: United States (TSCA 68081-96-9), Australia (AICS 68081-96-9), Canada (DSL 68081-96-9), China (IECSC 68081-96-9), Europe (EINECS 268-364-5), Japan (ENCS 2-1679), Korea (ECL Serial No. KE-32606), New Zealand (NZIoC 68081-96-9), Philippines (PICCS 68081-96-9), and Taiwan (TCSI 68081-96-9).

STEPANOL AMV is available as Kosher Certified.

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.

Product Stewardship

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

Additional Safety Information

A Safety Data Sheet is available upon request.



The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. STEPAN COMPANY MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, AND NO WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE, INCLUDING REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, ADEQUACY OR OTHERWISE. Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party in respect of this information, including in respect of its accuracy, completeness, adequacy, furnishing, use, or reliance upon, and the vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.

Stepan 
Corporate Headquarters
Northfield, Illinois 60093, U.S.A.
Phone: 847-446-7500
Fax: 874-501-2100
Website: www.stepan.com

For Technical Service Call:
Stepan Company USA **+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 Company USA **+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**