

Product Name	<b>STEP-FLOW® 4894-SC</b>																												
Chemical Description	STEP-FLOW 4894-SC is a nonionic surfactant blend.																												
CAS Registry No.	Proprietary																												
Applications	STEP-FLOW 4894-SC can be used as a nonionic emulsifier, dispersant, or wetting agent in a variety of agricultural formulations, including suspension concentrates, emulsifiable concentrates and suspoemulsions. STEP-FLOW 4894-SC is designed to work with STEP-FLOW 3000 and 4000.																												
Typical Properties	<table><tr><td>Appearance at 25°C</td><td>Clear to hazy liquid</td></tr><tr><td>Density at 25°C, g/ml (lbs/U.S. gal)</td><td>1.04 (8.6)</td></tr><tr><td>Moisture, %</td><td>13.0</td></tr><tr><td>pH, 5% in 1:1 IPA/H<sub>2</sub>O</td><td>7</td></tr><tr><td>Viscosity at 25°C, cps</td><td>849</td></tr><tr><td>Flash Point, PMCC, °C (°F)</td><td>&gt;94 (&gt;201)</td></tr><tr><td>Pour Point, °C (°F)</td><td>7 (45)</td></tr><tr><td>HLB</td><td>16</td></tr><tr><td>RVOC, U.S. EPA, %</td><td>0</td></tr><tr><td>Solubility</td><td></td></tr><tr><td>    Water</td><td>Soluble</td></tr><tr><td>    Methanol</td><td>Soluble</td></tr><tr><td>    Kerosene</td><td>Insoluble</td></tr><tr><td>    Xylene</td><td>Dispersible</td></tr></table>	Appearance at 25°C	Clear to hazy liquid	Density at 25°C, g/ml (lbs/U.S. gal)	1.04 (8.6)	Moisture, %	13.0	pH, 5% in 1:1 IPA/H <sub>2</sub> O	7	Viscosity at 25°C, cps	849	Flash Point, PMCC, °C (°F)	>94 (>201)	Pour Point, °C (°F)	7 (45)	HLB	16	RVOC, U.S. EPA, %	0	Solubility		Water	Soluble	Methanol	Soluble	Kerosene	Insoluble	Xylene	Dispersible
Appearance at 25°C	Clear to hazy liquid																												
Density at 25°C, g/ml (lbs/U.S. gal)	1.04 (8.6)																												
Moisture, %	13.0																												
pH, 5% in 1:1 IPA/H <sub>2</sub> O	7																												
Viscosity at 25°C, cps	849																												
Flash Point, PMCC, °C (°F)	>94 (>201)																												
Pour Point, °C (°F)	7 (45)																												
HLB	16																												
RVOC, U.S. EPA, %	0																												
Solubility																													
Water	Soluble																												
Methanol	Soluble																												
Kerosene	Insoluble																												
Xylene	Dispersible																												
Storage & Handling	<p>Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEP-FLOW 4894-SC handling materials. Contact with eyes and prolonged contact with skin should be avoided. Wash thoroughly after handling materials.</p> <p><u>Standard Packaging:</u> STEP-FLOW 4894-SC is available in drums, totes and in bulk quantities.</p> <p><u>Bulk Storage Information:</u> Stainless steel and glass fiber-reinforced polyester tanks are recommended. Many oven-cured phenolic and epoxy/phenolic linings may also be used. Elevated storage temperature may be desirable to maintain ease of pumping. Temperatures up to 130°F (54°C) can be maintained for long periods of time without degradation of the product.</p> <p><u>Non-Bulk Storage Information:</u> STEP-FLOW 4894-SC which has been stored in drums at temperatures below 75°F (24°C) may thicken or solidify. It may be fluidized by warming with a drum heater or in a steam room. Drums should be vented prior to heating to avoid excessive pressure build up. Product temperatures over 130°F (54°C) are not recommended.</p>																												
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.																												
Clearances	<p>The international inventories (country clearances) for STEP-FLOW 4894-SC can be found in Section 15 of the Safety Data Sheet (SDS). <b>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.</b> If you have any further questions regarding inventories, please contact North America Technical Service at <a href="mailto:techserv@stepan.com">techserv@stepan.com</a>.</p> <p>STEP-FLOW 4894-SC is approved for use as an inert ingredient under U.S. EPA 40 CFR 180.910, 180.930 and 180.940a.</p>																												



Product  
Stewardship

Additional  
Safety  
Information

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

A Safety Data Sheet (SDS) 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, nor shall be construed as a recommendation to infringe any patents. STEPAN COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, OR ADEQUACY. Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party for any direct, indirect, special, or consequential damages arising out of or in connection with the information provided herein, including in respect of its accuracy, completeness, adequacy, furnishing, use, or reliance upon such information. 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**  
**Northbrook, Illinois 60062, 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**