



Formulation

Name	LIME AND RUST REMOVER	
No.	1129	
Description	This formula effectively removes calcium, lime, and rust stains caused by hard water build-up.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	78.0 Diluent
	AMMONYX® LO Special	10.0 Emulsifier
	Phosphoric Acid (85% conc.)	12.0 pH Modifier
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge water and blend in AMMONYX® LO Special. 2. Blend in Phosphoric Acid. 3. Mix until homogenous. 	
Physical Properties	Appearance	Clear liquid
	pH, as is	1.0
	Viscosity, cps	Water thin
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	4 weeks at 50°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
Instructions for Use	<p>Wearing rubber gloves, dampen sponge or cloth. Wipe stained areas. Rinse promptly and thoroughly with cold water.</p> <p>For heavy build-up of stains, apply directly to area and rinse promptly. Wipe spills immediately and rinse with water.</p> <p>*Note: Do not use on marble, stone, terrazzo, aluminum, metallic or painted surfaces, colored grout or countertops. If in doubt, test on hidden area first.</p>	
External Comment	Marketing Notes: BCI = 86. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan's BCI, visit www.stepan.com .	
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For Additional Assistance	<p>For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of</p>	

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