



Formulation

Name	NATURALLY-DERIVED TUB AND TILE CLEANER	
No.	1115	
Description	This cleaner is effective on typical non-porous bathroom surfaces, including most tubs, showers, ceramic tiles and sinks. The amine oxide, AMMONYX® LO Special, provides foam and cuts through grime. The Citric Acid helps remove soap scum and hard water stains. Both ingredients are derived from bio-renewable resources.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	91.0 Carrier
	Citric Acid	4.0 Builder
	AMMONYX® LO Special	5.0 Cleansing Agent
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water. 2. With good agitation, add Citric Acid. 3. Blend in AMMONYX® LO Special. 4. Mix until homogeneous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	2-3
	Viscosity at 25°C, cps	Water thin
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	4 weeks at 50°C	Stable
	4 weeks at 4°C	Stable
	4 weeks at Room temperature	Stable
Instructions for Use	Spray on soiled surface and allow product to penetrate. Wipe surface with wet sponge or cloth. Rinse with water.	
External Comment	Marketing Notes: "Bio-renewable resources" is defined by Stepan as originating from animal, plant, or marine materials. The Biorenewable Carbon Index (BCI) of AMMONYX® LO Special is 86. For further information on Stepan's BCI, visit www.stepan.com . AMMONYX® LMDO or AMMONYX® CDO Special (both with a BCI=72) can be substituted for AMMONYX® LO Special on an equal actives basis, if desired. Label and/or trademark usage of the final product is the sole responsibility of the finished product manufacturer, for which Stepan bears no responsibility.	
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