**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**

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>91.0</td>
<td>Carrier</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>4.0</td>
<td>Builder</td>
</tr>
<tr>
<td>AMMONYX® LO Special</td>
<td>5.0</td>
<td>Cleansing Agent</td>
</tr>
</tbody>
</table>

Total 100.0

**Procedure**
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 25ºC**: Clear liquid
- **pH, as is**: 2-3
- **Viscosity at 25ºC, cps**: Water thin

**Storage/ Stability**
- **Freeze/thaw, 3 cycles**: Pass
- **4 weeks at 50ºC**: Stable
- **4 weeks at 4ºC**: 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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AMMONYX®

**For Additional Assistance**
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).
For ordering assistance, call our Account Service Department at 1-800-457-7673.

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