### ECONOMY TOUCHLESS TRUCK WASH

**No.** 1108

This formulation removes typical dirt build-up on the vehicle without the need for brushes, bristles, or any mechanical action recommended for use in touchless wash systems.

#### INGREDIENTS:

<table>
<thead>
<tr>
<th>Phase</th>
<th>Ingredient</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
<td>Carrier</td>
</tr>
<tr>
<td></td>
<td>Metso 20 (PQ) Sodium Metasilicate Pentahydrate</td>
<td>3.0</td>
<td>Builder</td>
</tr>
<tr>
<td>2</td>
<td>Versene 100 (Dow Chemical) Tetrasodium EDTA</td>
<td>15.0</td>
<td>Chelating Agent</td>
</tr>
<tr>
<td></td>
<td>STEPANATE® SXS</td>
<td>5.0</td>
<td>Hydro trope</td>
</tr>
<tr>
<td></td>
<td>BIO-TERGE® PAS-8S</td>
<td>5.0</td>
<td>Primary Surfactant</td>
</tr>
<tr>
<td></td>
<td>MAKON® 10</td>
<td>5.0</td>
<td>Emulsifier</td>
</tr>
<tr>
<td></td>
<td>Dye</td>
<td>q.s.</td>
<td>Additive</td>
</tr>
<tr>
<td></td>
<td>Fragrance</td>
<td>q.s.</td>
<td>Additive</td>
</tr>
</tbody>
</table>

**Total** 100.0

#### Procedure

1. Charge tank with Deionized Water.
2. Add the Metso 20. Thoroughly mix until dissolved.
3. In Phase 2, add ingredients in order shown to Phase I. Mix thoroughly until homogeneous.

#### Physical Properties

- **Appearance at 25°C**: Clear liquid
- **pH, as is**: 13.0
- **Viscosity at 25°C, cps**: Water thin
- **Solids, %**: 18.0
- **VOC (calculated) at 1:50 dilution level, %**: <0.1

#### Storage/ Stability

- 1 Month at 25°C: Stable
- 1 Month at 4°C: Stable
- 1 Month at 50°C: Stable
- Freeze/ Thaw, 3 Cycles: Stable

#### Instructions for Use

This formulation is to be diluted to 1:50 and applied with the proper vehicle wash equipment.

**Marketing Notes:** When used at Stepan's recommended dilution level of 1:50, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, motor vehicle wash (0.2% VOC limit as of December 31, 2012). BIO-TERGE® PAS-8S and STEPANATE® SXS are both approved ingredients on www.cleangredients.org. For further information, visit our website or www.cleangredients.org.

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- STEPANATE®
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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