INDUSTRIAL, RECLAIM-COMPATIBLE CAR WASH CONCENTRATE

No. 1196

Description: A concentrated car wash formulation for car wash operators. This formulation uses cationic-compatible surfactants to prevent coagulation in the reclaim pit.

Formulation INGREDIENTS: % by Weight Functionality

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
</tr>
<tr>
<td>AMPHOSOL® HCG</td>
<td>60.0</td>
</tr>
<tr>
<td>AMMONYX® LMDO</td>
<td>18.0</td>
</tr>
<tr>
<td>Dowanol DPNB (Dow Chemical) Dipropylene Glycol n-Butyl Ether</td>
<td>3.0</td>
</tr>
<tr>
<td>Dye</td>
<td>q.s.</td>
</tr>
<tr>
<td>Fragrance</td>
<td>q.s.</td>
</tr>
<tr>
<td>Preservative</td>
<td>q.s.</td>
</tr>
</tbody>
</table>

Total: 100.0

Procedure: Mix ingredients in order shown until homogenous.

Physical Properties:
- Appearance at 25°C: Clear liquid
- pH, as is: 6.5
- Viscosity at 25°C, cps: < 50
- Solids, %: 27
- VOC (calculated) at 1:500 dilution level, %: 0.01

Storage/Stability:
- 4 weeks at 50°C: Stable (color will darken when exposed to heat)
- 4 weeks at 25°C: Stable
- 4 weeks at 4°C: Stable
- Freeze/thaw, 3 Cycles: Stable

Instructions for Use: This formulation is to be diluted to 1:500 and applied with the proper car-wash equipment.

Marketing Notes: When used at Stepan's recommended dilution level of 1:500, 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). Dowanol DPNB is a low-vapor pressure VOC (LVP-VOC) and is exempt from the VOC calculation. AMMONYX® LMDO is an approved ingredient on www.cleangredients.org. For further information, visit our website or www.cleangredients.org. Label and/or trademark usage of the final product is the sole responsibility of the finished product manufacturer. This product does not contain Nonylphenol Ethoxylates (NPEs) or Cocamide DEA. AMMONYX® LMDO is used as an alternative to Cocamide DEA.

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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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