# Formulation

**Name**

AUTOMATIC INDUSTRIAL DISHWASHING DETERGENT POWDER

**No.**

311

**Description**

Excellent performance at low temperature. Low foam and defoaming of food soils. No spotting, etching, or streaking on glassware. For industrial use.

**Formulation**

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Tripolyphosphate, dense</td>
<td>40.0</td>
</tr>
<tr>
<td>MAKON® NF-5</td>
<td>3.0</td>
</tr>
<tr>
<td>Britesil H-20 (PQ Corporation (Sodium Silicate))</td>
<td>30.0</td>
</tr>
<tr>
<td>CDB Clearon (ICL Industrial (Sodium Dichloroisocyanurate Dihydrate))</td>
<td>2.0</td>
</tr>
<tr>
<td>Sodium Carbonate, dense</td>
<td>25.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>

**Procedure**

Charge blender with Carbonate. Add MAKON® NF-5 and mix for one minute. Add remaining ingredients and mix.

**Physical Properties**

- **Appearance at 25°C**: White free flowing powder
- **pH, 1% aqueous**: 11.0

**Instructions for Use**

Use per dishwasher manufacturer's instructions. Excellent performance at low temperature, low foam, and defoaming of food soils; no spotting, etching, or streaking on glassware.

**Registered Trademarks of Stepan Company**

MAKON®

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.

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 fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

Revision Date: 06/09/2015   Publication Date: 04/20/2007   © 2015, Stepan Company. All rights reserved.