Colloid 142 is a partially neutralized low molecular weight acrylic acid polymer designed for use where hard water problems are encountered.

Colloid 142 was designed to be used as a threshold inhibitor improving solubility of calcium and magnesium salts, an anti-redeposition agent for laundry detergents, automatic-dish washing detergents and hard surface cleaners, an anti-scaling agent to prevent buildup of detergent scale in machines and piping, a water softener for low and non-phosphate detergents, a builder additive for industrial and consumer detergent products, a dispersion aid with excellent chlorine and thermal stability and as an anti-clumping aid for powdered detergents.

Use Colloid 142 at 1 to 5% (dry basis) in the formulation of laundry detergents, automatic-dish washing detergents and hard surface cleaners.

Colloid 142 is available in 55-gal drums (550 lbs net), 275-gal tote bins (2,750 lbs net) and bulk tank trucks (approx. 45,000 lbs).

Colloid 142 is not affected by freeze/thaw cycling. Should the product freeze under severe conditions, warm to 100F and mix well before using.

Prolonged or repeated contact with Colloid 142 may cause skin or eye irritation. Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause coughing or sneezing.

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Pale yellow liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>10.8</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.3 (g/cu³) @ 25°C</td>
</tr>
<tr>
<td>Solids</td>
<td>54%</td>
</tr>
<tr>
<td>pH</td>
<td>4.4</td>
</tr>
<tr>
<td>Viscosity (25°C)</td>
<td>400 cps (Brookfield, 30 RPM)</td>
</tr>
</tbody>
</table>

**REGULATORY STATUS**

This product is manufactured in accordance with the following 21 CFR sections as set forth by the Food and Drug Administration:

- 21 CFR 173.73
- 21 CFR 173.310
- 21 CFR 175.105
- 21 CFR 175.300
- 21 CFR 175.320
- 21 CFR 176.170
- 21 CFR 176.180

The manufacture of Kemira products is within the scope of the ISO 9001 certified Quality Management System. Colloid 142 complies with the Toxic Substances Control Act PL-94-649 by the Environmental Protection Agency.

**SAFETY PRECAUTIONS**

Please see the Material Data Sheet before handling the material.

**Warranty.** This information herein is offered as a guide and is believed to be accurate and reliable as of the date of the printing. The values given are not to be considered as a warranty and they are subject to change without prior notice. For additional information regarding our products or for information concerning current specifications, please contact our Technical Service.

08/2008