Product Information

Personal Care

BC 2211 Quaternary Ammonium Silicone Micro Emulsion


Description
Basildon Chemicals BC 2211 Quaternary Ammonium Silicone Micro Emulsion is a non ionic microemulsion of a medium viscosity alky quaternary ammonium polydimethylsiloxane.

Product Features
1. Quaternary functional silicone for optimum conditioning effect.
2. Fine particle size (Less than 0.04 microns).
3. Extremely stable.
4. Low viscosity emulsion, easy to blend and pour.
5. Available in 25 kg or 200 kg pack sizes.

Typical Properties
These values are not intended for use in preparing specifications (see table).

Method of Use
This will depend on the type of formulation in which the BC 2211 Micro Emulsion is being included and the other ingredients involved.

Applications
BC 2211 was developed for use in the manufacture of conditioning shampoos and other hair care products. It’s fine particle size and charged quaternary ammonium silicone makes it ideal in this type of formulation where it provides a high quality conditioning effect on a variety of hair types.

It is usually used at a level of between 2.0% and 4.0% in the shampoo formulation but can be effective at levels as low as 0.5%.

Toxicity and Handling
BC 2211 Micro Emulsion is basically non-hazardous with a very low order of toxicity, although prolonged contact with the skin or contact with the eyes may cause some irritation. See our Health and Safety sheet for more information.

Storage and Shelf Life
Store under cool and dry conditions. When stored at below 32°C BC 2211 Micro Emulsion has a shelf life of 12 months from the date of manufacture. Ideally do not allow the product to freeze.

Technical Service
Our technical and sales staff have considerable experience of the use of silicone products in a very wide variety of industries and the benefit of this experience is freely available to all our customers.

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Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific gravity (25°C)</td>
<td>1.0</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Clear to slightly hazy, pale amber micro emulsion</td>
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<tr>
<td>Percentage silicone:</td>
<td>20%</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>50 – 200 cP</td>
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<tr>
<td>PH:</td>
<td>4 - 5</td>
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</table>

Although every effort has been made to ensure that the information contained in this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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