PRODUCT SPECIFICATION

PRODUCT: CosVivet APG CCG50

PROPERTIES

Product Identification
INCI-Name: Caprylyl / Capryl Glucoside
CAS No.: 68515-73-1
C-chain distribution: C8-C10

Description
APG CCG50 is a nonionic surfactant made from natural raw materials. It is very mild and readily biodegradable. The product is generally used as a secondary surfactant for cleansing products because of its excellent mildness, foaming performance and ability to reduce irritation.

Specification

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>APG CCG50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light yellow liquid</td>
</tr>
<tr>
<td>Solid content</td>
<td>50% min.</td>
</tr>
<tr>
<td>Free fatty alcohol</td>
<td>1.0% max.</td>
</tr>
<tr>
<td>Inorganic Salt</td>
<td>3.0% max.</td>
</tr>
<tr>
<td>pH</td>
<td>11.5-12.5</td>
</tr>
<tr>
<td>Viscosity (20°C)</td>
<td>Min. 200 mPa.s</td>
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</tbody>
</table>

Storage
The product may be stored for 24 months from the date of manufacture in the unopened original container and at room temperature. Keep container tightly closed.

Properties
APG CCG50 is a nonionic surfactant which is made from natural raw materials, natural alcohols and glucose derived from plants. Its superior properties include: detergency, wetting, dispersing and surface tension reduction, compatibility, especially foaming property. It also exhibits excellent alkaline and electrolyte resistance and can solubilize other ingredients.

Application
1.) APG CCG50 has the foaming characteristics, mildness, non toxic, non-irritating. It can be widely used in Personal Care products and household detergent such as body wash, shampoo, dishwashing liquid, laundry detergent and hand sanitizer.

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2.) APG CCG50 has good solubility, permeability and compatibility in strong base and electrolyte, it has no corrosive effect to all kinds of material, there will be no traces and cracks. Because of that they can be widely used in household products, hard surface cleaning, scouring agents in textile industry and oil recovery aid, etc.

3.) APG CCG50 can be used in bubble water as foaming agents and can be used as pesticide emulsifier especially in glyphosate solutions that will improve the effect and will not damage the environment.