Cola®Quat SME is a cationic surfactant that neutralizes a wide range of unpleasant odors. This product forms a complex with volatile organic molecules, minimizing their potential for producing odors and lowering their intensity in the air. Cola®Quat SME is easy to formulate, completely water soluble without the need of additional solubilizers. Cola®Quat SME may be used in combination with fragrances with diminished effectiveness or as a stand-alone deodorizer fragrance-free. Cola®Quat SME is effective in complexing and eliminating airborne and surface malodors such as tobacco, vegetable smells, body odor, animal scents and cooking fat.

**APPLICATIONS**

**Consumer**
- Deodorizer for homes, hotels and cars
- Deodorizer for garbage containers and kitchen surfaces
- Laundry deodorants
- Space deodorizers (aerosols, solids)

**Industrial**
- Effluent odor control
- Food processing plant odor control
- Sanitary landfill odor control

**Personal Care**
- Hair care (permanents, straighteners, conditioners, dyes)
- Underarm deodorants (sticks, lotions, powders, antiperspirants)
- Foot products (powders, insoles)

**STORAGE / HANDLING**

Should be stored in sealed containers at temperatures not exceeding 120°F (49°C). Shipped in 55 gallon open-head poly drums (net weight 450 lb/204 kg). Typical shelf life is 12 months from date of manufacture.

**Deodorizing Quat**

**INCI NAME**  Soyethyl Morpholinium Ethosulfate  
**CAS NUMBER**  61791-34-2  
**LISTINGS**  TSCA, REACH, DSL, AICS, IECSC, PICCS, ECL

**TYPICAL PROPERTIES / STRUCTURE**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber Liquid</td>
</tr>
<tr>
<td>pH, 1% aqueous</td>
<td>7.0 – 8.0</td>
</tr>
<tr>
<td>Solids, %</td>
<td>34.0 – 36.0</td>
</tr>
<tr>
<td>Color, Gardner BYK</td>
<td>9 Max.</td>
</tr>
</tbody>
</table>

**TOXICOLOGICAL**

**Eye Irritation**
HET-CAM @ 1.5%, scored **10** *(slight irritation)*

**Acute Skin Irritation**
48 Hour Occlusive skin patch test (5%), scored **zero** *(no visible skin reaction)*

**FORMULATION**

**Deodorizing Spray**

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Water</td>
<td>qs to 100.00</td>
</tr>
<tr>
<td>2 Cola®Quat SME</td>
<td>1.00</td>
</tr>
<tr>
<td>3 Fragrance</td>
<td>0.50</td>
</tr>
<tr>
<td>4 Poly Suga®Mulse D9</td>
<td>6.00</td>
</tr>
<tr>
<td>5 Kathon CG</td>
<td>0.05</td>
</tr>
</tbody>
</table>

**Procedure:** Mix in order, heating to 40-50°C if possible for fastest fragrance incorporation.  
**Typical Properties:** pH: 7  Viscosity: 10 cPs