SECTION 1. IDENTIFICATION

Product name : STARKOTE AQ-5002
Product Use Description : AQUEOUS MATTE COATING SOFT FEEL

Manufacturer or supplier's details
Company : ACTEGA Kelstar
1050 Taylors Lane
Cinnaminson, NJ 08077
Telephone : (800) 255-0021
Telefax : (856) 786-2860
Visit our web site : www.actega.com
Emergency telephone number : Chemtrec Phone: 1-800-424-9300 / +1 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Not a hazardous substance or mixture.

GHS Label element
Not a hazardous substance or mixture.

Other hazards
The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 26 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wax</td>
<td>-</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice : Get medical attention immediately if symptoms occur.
Treat symptomatically.

If inhaled : If inhaled, remove to fresh air.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.

In case of skin contact : Remove contaminated clothing. Wash thoroughly with soap and water for at least 20 min. or until material is removed.
Wash contaminated clothing before re-use.
### SECTION 5. FIREFIGHTING MEASURES

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific hazards during firefighting</td>
<td>Do not use a solid water stream as it may scatter and spread fire.</td>
</tr>
<tr>
<td>Further information</td>
<td>Use water spray to cool unopened containers.</td>
</tr>
<tr>
<td>Special protective equipment for firefighters</td>
<td>In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.</td>
</tr>
</tbody>
</table>

### SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Use personal protective equipment. |
| Environmental precautions | Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods. |
| Methods and materials for containment and cleaning up | Soak up with inert absorbent material. |

### SECTION 7. HANDLING AND STORAGE

| Advice on safe handling | Use only in accordance with our recommendations. |
| Conditions for safe storage | Keep container tightly closed in a dry and well-ventilated place. |
| Materials to avoid | Keep away from oxidising agents and strongly acid or alkaline materials. |
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Defoamer</td>
<td>-</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Fumes)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td>Wax</td>
<td>-</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Fumes)</td>
<td>2 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Fumes)</td>
<td>2 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Engineering measures: Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Hand protection
Material: Impervious gloves

Eye protection: Safety glasses with side-shields
       Safety goggles

Skin and body protection: Long sleeved clothing
       Chemical resistant apron
       Lightweight protective clothing

Protective measures: Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
       Wash hands before eating, drinking, or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aqueous solution

Colour: off-white

Odour: ammoniacal
SAFETY DATA SHEET

STARKOTE AQ-5002

Table:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>8 - 9.4</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>&gt; 200.1 ºF (&gt; 93.4 ºC)</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200.1 ºF (&gt; 93.4 ºC)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density/Specific Gravity</td>
<td>1.044 (68 ºF (20 ºC))</td>
</tr>
<tr>
<td>Density</td>
<td>8.70 lb/gal</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Nitrogen oxides (NOx)</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 21 mm2/s (104 ºF (40 ºC))</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions: Acids and bases
Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition.

Hazardous decomposition products: Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eyes
Skin contact
Inhalation

Acute toxicity

Product:
Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg
   Method: Calculation method

Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg
   Method: Calculation method

Components:
- Wax:
   Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation

Product:
Remarks: No data available

Serious eye damage/eye irritation

Product:
Remarks: No data available

Respiratory or skin sensitisation

Product:
Remarks: No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Repeted dose toxicity

Product:
Remarks: No data available

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Toxicity to fish :
Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates :
Remarks: No data available

Persistence and degradability

Product:
Biodegradability :
Remarks: No data available

Bioaccumulative potential

Product:
Bioaccumulation :
Remarks: No data available

Mobility in soil
No data available

Other adverse effects
No data available
### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**
- **Waste from residues**: Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.
- **Contaminated packaging**: Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

**International Regulation**
- **IATA-DGR**: Not regulated as a dangerous good
- **IMDG-Code**: Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable for product as supplied.

**National Regulations**
- **49 CFR**: Not regulated as a dangerous good

### SECTION 15. REGULATORY INFORMATION

**WHMIS Classification**: D2B: Toxic Material Causing Other Toxic Effects

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.
### SARA 302 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a SARA 302 RQ.

### SARA 311/312 Hazards
- **SARA 302**: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- **SARA 313**: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
- This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
- This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489).

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Reporting Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wax</td>
<td>7732-18-5</td>
<td>Not Assigned</td>
</tr>
<tr>
<td>aliphatic urethane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt</td>
<td>Not Assigned</td>
<td></td>
</tr>
</tbody>
</table>

VOC: 0.42 lb/gal
4.85 %

Non-volatile information is not a specification.

### Massachusetts Right To Know
- **Wax**: Not Assigned

### Pennsylvania Right To Know
- **Water**: 7732-18-5
- **aliphatic urethane**: Not Assigned
- **Wax**: Not Assigned

### New Jersey Right To Know
- **Water**: 7732-18-5
- **aliphatic urethane**: Not Assigned
- **Wax**: Not Assigned
- **Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt**: Not Assigned

### California Prop 65
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
The components of this product are reported in the following inventories:

LISTED: Listed

SECTION 16. OTHER INFORMATION

Further information

NFPA:

- Flammability: 1
- Health: 2
- Instability: 1

Special hazard.

HMIS III:

- HEALTH: 2
- FLAMMABILITY: 1
- PHYSICAL HAZARD: 0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, *= Chronic

Revision Date: 05/21/2015

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