### 1. Identification

- **Trade name:** Serene Gel Hand Sanitizer #75

- Details of the supplier of the safety data sheet:
  - **Manufacturer:** California Chemical
  - **Address:** 555 Anton Blvd Suite 150
    Costa Mesa, CA 92626
    424-292-3424

- **Emergency telephone number:** Hazmat Service (800) 373-7542

### 2. Hazard(s) identification

- **Classification of the substance or mixture**
  - Flam. Liq. 2 H225 Highly flammable liquid and vapor.

- **Label elements**
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**

- **Signal word** Danger

- **Hazard statements**
  - Highly flammable liquid and vapor.

- **Precautionary statements**
  - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - Keep container tightly closed.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - In case of fire: Use for extinction: CO2, powder or water spray.
  - Store in a well-ventilated place. Keep cool.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)
3. Composition/information on ingredients

- Chemical characterization: Mixtures/Dangerous components
- Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-63-0</td>
<td>Isopropyl Alcohol</td>
<td>72-82%</td>
</tr>
<tr>
<td>56-81-5</td>
<td>Glycerol</td>
<td>≤2.5%</td>
</tr>
<tr>
<td>39421-75-5</td>
<td>Hydroxypropyl Guar Gum</td>
<td>&lt;2.3%</td>
</tr>
</tbody>
</table>

4. First-aid measures

- Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
  No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5. Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.
6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water.

- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.

- **Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

- **Protective Action Criteria for Chemicals**

<table>
<thead>
<tr>
<th>PAC-1:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>1,800 ppm</td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>45 mg/m³</td>
</tr>
<tr>
<td>Hydroxypropyl Guar Gum</td>
<td>39421-75-5</td>
<td>75 mg</td>
</tr>
</tbody>
</table>

7. Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** Store in a cool location.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:**
    Keep receptacle tightly sealed.
    Store in cool, dry conditions in well sealed receptacles.

- **Specific end use(s)** No further relevant information available.

8. Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7. (Contd. on page 4)
· Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-63-0 Isopropyl Alcohol</td>
</tr>
<tr>
<td>PEL Long-term value: 1900 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>REL Long-term value: 1900 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>TLV Short-term value: 1880 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>56-81-5 glycerol</td>
</tr>
<tr>
<td>PEL Long-term value: 15* 5** mg/m³ mist; *total dust **respirable fraction</td>
</tr>
<tr>
<td>TLV TLV withdrawn-insufficient data human occup. exp.</td>
</tr>
</tbody>
</table>

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.

· Breathing equipment: Not required.

· Protection of hands: Not required.

· Eye protection:

  Tightly sealed goggles

9. Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:
  Form: Fluid
  Color: According to product specification
### Odor:
- Characteristic

### Odor threshold:
- Not determined.

### pH-value:
- Not determined.

### Change in condition:
- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: 78 °C (172.4 °F)

### Flash point:
- 13 °C (55.4 °F)

### Flammability (solid, gaseous):
- Not applicable.

### Decomposition temperature:
- Not determined.

### Auto igniting:
- Product is not selfigniting.

### Danger of explosion:
- Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

<table>
<thead>
<tr>
<th>Explosion limits:</th>
<th>Lower: 3.5 Vol %</th>
<th>Upper: 15 Vol %</th>
</tr>
</thead>
</table>

### Vapor pressure at 20 °C (68 °F):
- 59 hPa (44.3 mm Hg)

### Density at 20 °C (68 °F):
- 0.8346 g/cm³ (6.96474 lbs/gal)

### Relative density:
- Not determined.

### Vapor density:
- Not determined.

### Evaporation rate:
- Not determined.

### Solubility in / Miscibility with:
- Water: Fully miscible.

### Partition coefficient (n-octanol/water):
- Not determined.

### Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.

### Solvent content:
- Organic solvents: 81.0 %
- Water: 19.0 %
- VOC content: 80.00 %
  - 667.7 g/l / 5.57 lb/gal

### Solids content:
- 0.0 %

### Other information:
- No further relevant information available.

### 10. Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: No further relevant information available.
11. Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      67-63-0 | Isopropyl Alcohol
    - NTP (National Toxicology Program)
      None of the ingredients is listed.
    - OSHA-Ca (Occupational Safety & Health Administration)
      None of the ingredients is listed.

12. Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
    - Other adverse effects No further relevant information available.

13. Disposal considerations

- Waste treatment methods
  - Recommendation:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    Dispose of in accordance with federal, state, and local regulations.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
14. Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, IMDG, IATA</th>
<th>UN1219</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT</td>
<td>Isopropanol Solution</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
</tr>
<tr>
<td>Class</td>
</tr>
<tr>
<td>Label</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
</tr>
<tr>
<td>Label</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT, IMDG, IATA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental hazards:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning: Flammable liquids</td>
</tr>
<tr>
<td>Hazard identification number (Kemler code): 33</td>
</tr>
<tr>
<td>EMS Number: F-E,S-D</td>
</tr>
<tr>
<td>Stowage Category: A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport/Additional information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
</tr>
<tr>
<td>Quantity limitations: On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L</td>
</tr>
</tbody>
</table>

| IMDG |
| Limited quantities (LQ) | 1L |

(Contd. on page 8)
50.1.3

ꞏ Excepted quantities (EQ)
  
  Code: E2
  
  Maximum net quantity per inner packaging: 30 ml
  Maximum net quantity per outer packaging: 500 ml

ꞏ UN "Model Regulation":
  
  UN 1219, Isopropanol Solution, 3, II

15. Regulatory information

ꞏ Safety, health and environmental regulations/legislation specific for the substance or mixture
  
  ☐ Sara

  · Section 355 (extremely hazardous substances):
  
    None of the ingredients is listed.

  · Section 313 (Specific toxic chemical listings):
  
    None of the ingredients is listed.

  · TSCA (Toxic Substances Control Act):
  
    All components have the value ACTIVE.

  · Hazardous Air Pollutants
  
    None of the ingredients is listed.

  · Proposition 65

  · Chemicals known to cause cancer:
  
    None of the ingredients is listed.

  · Chemicals known to cause reproductive toxicity for females:
  
    None of the ingredients is listed.

  · Chemicals known to cause reproductive toxicity for males:
  
    None of the ingredients is listed.

  · Chemicals known to cause developmental toxicity:
  
    67-63-0 | Isopropyl Alcohol

  · Carcinogenic categories

  · EPA (Environmental Protection Agency)
  
    None of the ingredients is listed.

  · TLV (Threshold Limit Value established by ACGIH)
  
    67-63-0 | Isopropyl Alcohol | A3

  · NIOSH-Ca (National Institute for Occupational Safety and Health)
  
    None of the ingredients is listed.

  · GHS label elements
  
    The product is classified and labeled according to the Globally Harmonized System (GHS).

  · Hazard pictograms
  
  ⚠️ Signal word Danger

  · Hazard statements
  
    Highly flammable liquid and vapor.
Precautionary statements

Keep out of reach of children.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: Carlos Casanola
Date of preparation / last revision 03/01/2020

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 3: Flammable liquids – Category 3