1. Substance/preparation and company designation:
   Dr. Disinfectant (Antiseptic Hand solution 61% Ethyl alcohol with CHG 1%)
   Trade name: Saudi Mais co. for medical products
   Address: P.O. Box: 3900 – Riyadh 14335 – 7599 – Saudi Arabia
   Tel.: +966 11 2650184 Fax: 2650139
   October, 2019

2. Composition/information to ingredients:
   Chemical name: Alcoholic mixture in gel form. (61% Ethyl alcohol with CHG 1%)
   Product type: Antiseptic/Disinfectant
   Application: Instant hand Sanitizer

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS No.</th>
<th>Content</th>
<th>Code Letter</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>60-65 % V/V</td>
<td>F</td>
<td>R11</td>
</tr>
<tr>
<td>Chlorohexidine Gluconate</td>
<td></td>
<td>1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GLYCERIN</td>
<td></td>
<td>1-5% W/W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITAMIN E</td>
<td></td>
<td>0.01-0.05</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Hazards identification:
   When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long-term health hazards. However, abnormal entry routes such as a gross ingestion may require immediate medical attention.

Potential Health Effects:

   HMIS:   Health 1 Flammability 3 Reactivity 0 Personal Protection None
   Eye Contact: May cause eye irritation
   Skin contact: No irritation or reaction expected
   Inhalation: Not applicable
   Exertion: May cause upset stomach, nausea (abnormal entry route)
   Carcinogenicity: Not listed as a carcinogen by NTP, IARC, OSHA or ACXIH

4. First aid measures:
   Eyes: Do not rub eyes. Flush eyes thoroughly with water for 15 min. If condition worsens or irritation persists, contact physician.
   Skin Contact: Not Applicable
   Inhalation: Not Applicable
   Ingestion: DO NOT INDUCE VOMITING. Have conscious person drink several glasses of water or milk. If vomiting occurs, lower the person’s head below their knees to avoid aspiration. Consult a physician or Poison Control Center.
5. **Fire-fighting measure:**

- Flash point (DIN/TRxF): + 23°C/74°F
- Suitable extinguishing media: Alcohol-type foam, carbon dioxide, dry chemicals
- Special Fire Fighting Procedures: Cool fire-exposed containers with water fxg. Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Product can release vapors that form flammable mixtures at temperatures at or above the flash point.

Unusual Fire and Explosion Hazard:

6. **Measures in case of accidental release:**

- Precautions for persons: A cool open fire and/or other sources offire. After spill/leak/gas blow-out, absorb onto inert material and dispose in appropriate manner.
- Protections for environmental care: Water cleanup and rinse. Caution: will cause slippery surface.

7. **Storage and handling:**

- Personal precautions: Avoid contact with the eyes. Do not take internally. Keep away from fire or flame.
- Storage and other precautions: Store at ambient indoor conditions. Keep containers sealed. Avoid freezing conditions.

8. **Exposure controls and personal protection:**

- None required under normal use
- None required under normal use
- None required under normal use.
- None required under normal use.
- Keep out of reach of children.

9. **Physical and chemical characteristics:**

- Appearance: Clear Gel
- Color: Colorless
- Smell: Alcoholic/Floral/Citrus
- pH-factor (undiluted @ 25°C): 6.0 – 7.0
- Boiling point/range, °F/°C: 176/80
- Flash point (DIN/TRbF): + 23°C
- Vapor pressure: 40
- Specific gravity, 20/20: 0.885 – 0.890
- Solubility in water: Soluble
- Solubility in ethanol: Insoluble
- Solubility in hexane: 7,000 – 19,000
- Viscosity @ 20°C, cps.: 7,000 – 19,000
- Refractive index, %Brix @ x5°C: > 1
- Vapor Density (Air = 1): 1.6
- Evaporation Rate (H₂O x 1): -
- Conductivity, μS/mm @ 25°C: -
10. Stability and reactivity:

- **Conditions to avoid**
  - Keep away from sources of fire, avoid warming up
- **Dangerous polymerization**
  - Will not occur
- **Incompatibility**
  - Strong oxidizers
- **Storage stability**
  - Stable/Non-reactive product.

11. Toxicological information:

No acute toxic effect effects expected when used according to directions. No long term chronic effects.

12. Ecological information:

Not expected to cause adverse environmental effects. Not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, septic systems and treatment plants.

13. Refuse disposal method:

Characteristic hazardous case-flammable liquid. Dispose according to the federal state or local regulations.

14. Information for transport:

- UX/NA No.: 1993
- Shipping Name (Air Shipments): Flammable liquids, n.o.s. (Contains: Ethyl alcohol, Isopropyl alcohol)
- Hazard Class: 3
- Packing group: II
- Shipping Name (Ground Rail Shipments): Consumer Commodity ORM-D

15. Regulations:

- Label: Dr. Disinfectant
- Ref. No.: HG-1200

16. Other data:

The above information is given to the best of our knowledge and belief. The data is partially taken from the literature (different sources). For further information contact:

Saudi Mais co. for medical products

P.O. Box : 3900 – Riyadh 14335 – 7599 – Saudi Arabia
Tel. : +966 11 2650184 Fax : 2650139
3rd Industrial Area, Al-kharj Road, Street No. 256
Material Safety data Sheet of Dr. Disinfectant (ANTISEPTIC Hand Gel)
61% Ethyl alcohol with CHG 1%