1. Substance/preparation and company designation:
   - Trade name: Dr. Disinfectant (Antiseptic Hand Gel) 70%
   - Address: P.O. Box: 3900 – Riyadh 14335 – 7599 – Saudi Arabia
   - Tel.: +966 11 2650184
   - Fax: 2650139
   - Date of Issue: October, 2017

2. Composition/information to ingredients:
   - Chemical name: Alcoholic mixture in gel form (70% Ethyl alcohol)
   - 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>70 % V/V</td>
<td>F</td>
<td>R11</td>
</tr>
<tr>
<td>GLYCERIN</td>
<td></td>
<td>1% 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 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 f.g. 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.

6. Measures in case of accidental release:

Precautions for persons: Avoid open fire and/or other sources of fire.
After spill/leak/gas blow-out, absorb onto inert material and dispose in appropriate manner.
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:

Respiratory protection: None required under normal use
Eye protection: None required under normal use
Protective gloves: None required under normal use
Other protective equipment: Keep out of reach of children.

9. Physical and chemical characteristics:

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

Conditions to avoid : Keep away from sources of fixe, avoid warming up
Dangerous polymerization : Will not occurs
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 Raix 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

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