Saudi Mais co. for medical products

MATERIAL SAFETY DATA SHEET

1. Substance/preparation and company designation:
   Trade name: Dr. Disinfectant (Antiseptic Hand Gel) 70%
   Company: Saudi Mais co. for medical products
   Address: P.O. Box: 3900 – Riyadh 14335 – 7599 – Saudi Arabia
             Tel.: +966 11 2650184 Fax: 2650139
             3rd Industrial Area, Al-kharj Road, Street No. 256
             October, 2019

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 ACiIH

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 fog. 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:**
   - Prevention 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.
   - Protection 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:**
   - 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:**
   - Clear Gel
   - Colorless
   - Alcoholic/Floral/Citrus
   - 6.0 – 7.x
   - 176/80
   - + 23°C
   - 40
   - 0.885 – 0.890
   - Soluble
   - Soluble
   - Insoluble
   - 7,000 – 19,000
   - > 1
   - > 1
   - -
   - 1.6
   - 20°C, cps.

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10. Stability and reactivity:

<table>
<thead>
<tr>
<th>Conditions to avoid</th>
<th>Keep away from sources of fixe, avoid warming up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous polymerization</td>
<td>Will not occurs</td>
</tr>
<tr>
<td>Incompatibility</td>
<td>Strong oxidizers</td>
</tr>
<tr>
<td>Storage stability</td>
<td>Stable/Non-reactive product.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>UX/NA No.</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Name (Air Shipments)</td>
<td>Flammable liquids, n.o.s.</td>
</tr>
<tr>
<td>(Ground Raix Shipments)</td>
<td>(Contains: Ethyl alcohol, Isopropyl alcohol)</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Shipping Name</td>
<td>Consumer Commodity ORM-D</td>
</tr>
</tbody>
</table>

15. Regulations:

<table>
<thead>
<tr>
<th>Label</th>
<th>Dr. Disinfectant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. No.</td>
<td>HG-1200</td>
</tr>
</tbody>
</table>

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:

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