Safety Data Sheet
Spectrum Advance Hand Sanitizer Gel

Section 1. Identification

Product Identifier
Spectrum Advance Hand Sanitizer Gel

Synonyms
HH701200G; HH70G02; HH70G04; HH70G08; HH70G1000; HH70G12N; HH70G15; HH70G PACKET; MSD_SDS0232

Manufacturer Stock Numbers
HH701200G; HH70G02; HH70G04; HH70G08; HH70G1000; HH70G12N; HH70G15; HH70G PACKET

Recommended use
Hand sanitizer

Uses advised against
No information available.

Manufacturer Contact
Medline
3 Lakes Drive
Northfield, IL, 60093
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification
FLAMMABLE LIQUIDS - Category 3

Signal Word
Danger

Pictogram

Page 1 of 9
Hazard Statements
Flammable liquid and vapor

Precautionary Statements
Response
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or doctor/physician.
In case of fire: Use CO2, dry chemical, or foam to extinguish.
Specific treatment (see supplemental first aid instructions on this label)

Prevention
Ground/bond container and receiving equipment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Take precautionary measures against static discharge.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Wear protective gloves/protective clothing/eye protection/face protection

Storage
Store in a well-ventilated place. Keep cool.

Disposal
Dispose of contents/container to an approved waste disposal plant.

Ingredients of unknown toxicity
0%

Hazards not Otherwise Classified
N.A.

Other information:
Prolonged or repeated contact may dry skin and cause irritation
May cause slight eye irritation

Interactions with Other Chemicals:
No information available.

Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>Ethyl Alcohol 70% v/v</td>
<td>70 %</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>25% - 30%</td>
</tr>
<tr>
<td>85507-69-3</td>
<td>Aloe Barbadensis Leaf Juice</td>
<td>1% - Max</td>
</tr>
<tr>
<td>7695-91-2</td>
<td>Tocopheryl Acetate</td>
<td>1% - Max</td>
</tr>
<tr>
<td>56-81-5</td>
<td>Glycerin</td>
<td>1% - Max</td>
</tr>
<tr>
<td>110-27-0</td>
<td>Isopropyl Myristate</td>
<td>1% - Max</td>
</tr>
<tr>
<td>110-82-7</td>
<td>Acrylates/C10-13 Alkyl Acrylates Crosspolymer</td>
<td>1% - Max</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General Advice: Show this safety data sheet to the doctor in attendance.
Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable, and continue flushing. If symptoms persist, call a physician.

Skin Contact: In the case of skin irritation or allergic reactions see a physician.

Inhalation: Move to fresh air. Get medical attention immediately if symptoms occur. If breathing has stopped, contact emergency medical services immediately and give artificial respiration.

Ingestion: If swallowed do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms/effects: Burning sensation. Itching. Rashes. Hives. Coughing and/or wheezing. May cause breathing difficulties if inhaled.

Note to Physician: Treat symptomatically

Section 5. Fire Fighting Measures

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable Extinguishing Media
Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical:
Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Uniform Fire Code: Flammable Liquid: I-C
Hazardous combustion products: Carbon oxides.
Explosion data: Sensitivity to Mechanical Impact: No Sensitivity to Static Discharge: Yes

Protective equipment & precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Avoid contact with eyes and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. See section 8 for more information. Eliminate all ignition sources (no smoking, flares, sparks of flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other Information:
Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for containment:
Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.
Methods for cleaning up: Take precautionary measures against static discharges. Dam up. Soak with inert absorbent material. Pickup and transfer to properly labeled containers.

Section 7. Handling and Storage

Handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage:
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible materials: None known based on information supplied.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol 70% v/v</td>
<td>STEL: 1,000 ppm</td>
<td>TWA: 1,000 ppm</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: Upper respiratory track</td>
<td>TWA: 1,900 mg/mm3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>irritation. Confirmed animal</td>
<td>29 CFR 1910.1000 Table Z-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>carcinogen with unknown</td>
<td>Limits</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>relevance to humans.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Aloe Barbadensis Leaf Juice</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Tocopheryl Acetate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Glycerin</td>
<td>10 mg/m3 (mist)</td>
<td>Total dust: 15 mg/m3</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m3</td>
<td>Respirable fraction: 5 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Myristate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Acrylates/C10-13 Alkyl Acrylates Crosspolymer</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

Personal Protective Equipment
Goggles, Gloves
Exposure guidelines: There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters.


Eye/face protection: Tight sealing safety goggles.

Skin and Body Protection: Wear protective gloves/clothing. Long sleeved clothing. Impervious gloves.

Respiratory Protection: No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with eyes and clothing.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Gel-like liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear to slightly hazy, colorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.88</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>N/A</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>23°C/73°F</td>
</tr>
<tr>
<td>FP Method</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>7.0</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Section 10. Stability and Reactivity

Reactivity: No data available.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: None under normal processing.
Hazardous polymerization: Does not occur.
Conditions to avoid: Heat. Open flame. Sparks.
Incompatible materials: None known based on information supplied.
Hazardous Decomposition or Byproducts: Carbon oxides.

Section 11. Toxicological Information

Likely Routes of Exposure: 
Eye: Irritating to eyes. May cause redness, itching, and pain.
Skin: Prolonged contact may cause redness and irritation.
Inhalation: May cause irritation of respiratory tract.
Ingestion: Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation: No information available.

Component information:
Acute Toxicity: Inhalation LC50
Ethyl Alcohol CAS No. 64-17-5
Species: Rat
124.7 mg/L
4 hours

Acute Toxicity: Dermal LD50:
Glycerin CAS No. 56-81-5
Species: Rabbit
>10 g/kg

Information on Toxicological Effects:
Symptoms: Redness of the skin. May cause redness and tearing of the eyes. Itching. Rashes. Hives. Coughing and/or wheezing. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, light-headedness, chest pain, muscle pain, or flushing.

Sensitization: No information available.
Mutagenic Effects: No information available.
Carcinogenicity: N/A
Specific Target Organ Toxicity - Single Exposure: No information available.
Specific Target Organ Toxicity - Repeated Exposure: No information available.
Chronic Toxicity: No information available.
Target Organ Effects: Eyes. Skin.
Numerical measures of toxicity: Product Information: No information available.
Section 12. Ecological Information

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Ecotoxicity: No information available.
Persistence/degradability: No information available.
Bioaccumulation: No information available.
Other adverse effects: No information available.

Section 13. Disposal

Waste Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging: Dispose of in accordance with local regulations.
US EPA Waste Number: D001
California Hazardous Waste Codes: 331
California Hazardous Waste: This product contains one or more substances that are listed with the State of California as a hazardous waste.
Ethyl Alcohol
CAS-No. 64-17-5
Toxic
Ignitible

Section 14. Transport Information

UN Number 8000
UN Proper Shipping Name CONSUMER COMMODITY
DOT Classification 9
Packing Group N/A
IATA - UN Number: 1170
IATA - UN Proper Shipping Name: Ethanol
IATA - Hazard Class: 3
IATA - Packing Group: III
IMDG - UN Number: 1170
IMDG - UN Proper Shipping Name: Ethanol
IMDG - Hazard Class: 3
IMDG - Packing Group: III
TDG - UN Number: 1170
TDG - UN Proper Shipping Name: Ethanol
TDG - Hazard Class: 3
TDG - Packing Group: III
MEX - UN Number: 1170
MEX - UN Proper Shipping Name: Ethanol
MEX - Hazard Class: 3
MEX - Packing Group: III
ICAO - UN Number: 1170
ICAO - UN Proper Shipping Name: Ethanol
ICAO - Hazard Class: 3
ICAO - Packing Group: III
RID - UN Number: 1170
RID - UN Proper Shipping Name: Ethanol Solution
RID - Hazard Class: 3
RID - Packing Group: III
ADR - UN Number: 1170
ADR - UN Proper Shipping Name: Ethanol Solution
ADR - Hazard Class: 3
ADR - Packing Group: III
ADN - UN Number: 1170
ADN - UN Proper Shipping Name: Ethanol Solution
ADN - Hazard Class: 3
ADN - Packing Group: III

**Section 15. Regulatory Information**

SARA 311/312: Refer to Section 2 of the SDS.
SARA 302: N.A.
SARA 304: N.A.
SARA 313: N.A.
TSCA: All components are listed or exempt.
CERCLA Hazardous Substance List: N.A.
Clean Air Act (CAA) Section 112, 112 (r): N.A.
New Jersey Right to Know Components:
Ethanol
Glycerin
Pennsylvania Right to Know Components:
Ethanol
Glycerin
Rhode Island Right to Know Components: Ethyl Alcohol  
Glycerin  
Massachusetts Right to Know Components: Ethanol

### Section 16. Other Information

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>11/7/2022</th>
</tr>
</thead>
</table>
| Legend              | N.A. - Not Applicable  
N.E. - Not Established  
N.D. - Not Determined |
| HMIS (U.S.A.): Health Hazard | 1 |
| HMIS (U.S.A.): Flammability | 3 |
| HMIS (U.S.A.): Physical Hazard | 0 |
| HMIS (U.S.A.): Personal Protection | X |
| National Fire Protection Association (U.S.A): Health Hazard | 1 |
| National Fire Protection Association (U.S.A): Flammability | 3 |
| National Fire Protection Association (U.S.A): Instability Hazard | 0 |
| National Fire Protection Association (U.S.A): Physical and Chemical Hazards | None. |

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