# Safety Data Sheet

## STERILLIUM COMFORT GEL HAND SANITIZERS

### Section 1. Identification

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th>STERILLIUM COMFORT GEL HAND SANITIZERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>MSC097062 ; MSC097062H ; MSC097063 ; MSC097063H ; MSC097065 ; MSC097065H</td>
</tr>
<tr>
<td>Manufacturer Stock Numbers</td>
<td>MSC097063 ; MSC097062 ; MSC097065</td>
</tr>
</tbody>
</table>

**Recommended use**

In-door use.

**Uses advised against**

Medicinal products. Restricted to professional users.

**Manufacturer Contact Address**

Medline Industries, Inc.

One Medline Place

Mundelein, IL, 60060

USA

**Phone**

(800) 633-5463

**Emergency Phone**

(800) 424-9300

**Fax**

(847) 643-4436

**Website**

www.Medline.com

### Section 2. Hazards Identification

**Classification**

FLAMMABLE LIQUIDS - Category 2

**Signal Word**

Danger

**Pictogram**

![Flammable Pictogram]

**Hazard Statements**

Highly flammable liquid and vapor

**Precautionary Statements**

**Response**

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguisher.
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/eye protection/face protection.

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

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

General
Keep out of reach of children

Ingredients of unknown toxicity
0%

Hazards not Otherwise Classified
The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 12.7445 %

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</td>
<td>70% - 90%</td>
</tr>
</tbody>
</table>

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

Section 4. First-Aid Measures

General Advice:
Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. If you feel unwell, seek medical advice (show the label where possible).

Eye Contact:
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.

Ingestion:
Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if discomfort occurs

Note to Physician:
For specialist advice physicians should contact the Poison Information Service.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media
In case of fire, use Water spray, Dry Chemical, Alcohol-resistant foam or Carbon Dioxide (CO2)

Unsuitable Extinguishing Media
N/A

Hazardous combustion products:
No hazardous combustion products are known.

Special Fire Fighting Procedures:
Self contained breathing apparatus and full protective clothing recommended.

Further information:
Standard procedure for chemical fires.
Section 6. Accidental Release Measures

**Flammable Small Spill:** Absorb with an inert dry material and place in an appropriate waste disposal container.

**Flammable Large Spill:** Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

**Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Section 7. Handling and Storage

**Handling Flammable:** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Storage Flammable:** Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>STEL: 1,000 ppm</td>
<td>TWA: 1,000 ppm</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.</td>
<td>1,900mg/mm3</td>
<td>29 CFR 1910.1000 Table Z-1 Limits</td>
</tr>
</tbody>
</table>

**Personal Protective Equipment**

|               | N/A |

**Protective measures:** No special protective equipment required.

**Work/hygienic practices:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.
Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Viscous, colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcoholic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N.A.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</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>4 Pa.s (20°C/68°F)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1</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>17.1°C /62.8°F</td>
</tr>
<tr>
<td>FP Method</td>
<td>ASTM D 3278</td>
</tr>
<tr>
<td>PH</td>
<td>N.A.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N.D.</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>78</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

Stability: Stable.
Reactivity: No reactivity expected under normal conditions
Incompatibility (Materials to Avoid): None known
Possibility of hazardous reactions: Vapors may form explosive mixture with air. Exothermic reactions with strong acids.
Conditions to avoid: Keep away from heat. Open flame. Sparks.
Section 11. Toxicological Information

Likely Routes of Exposure: N.A.

Acute Toxicity:

Product: N.A.

Acute Toxicity: Oral LD50:

Ethyl Alcohol CAS No. 64-17-5
Species: Rat
6,200 mg/kg

Acute Toxicity: Inhalation LC50

Ethyl Alcohol CAS No. 64-17-5
Species: Rat
124.7 mg/l 4 hours

Skin corrosion/irritation:

Product: No skin irritation
Ingredient: Ethyl Alcohol CAS No. 64-17-5
Species: Rabbit
Exposure time: 24h
Method: Draize test
Result: Mild skin irritation

Serious eye damage/Eye irritation:

Product: No eye irritation
Ingredient: Ethyl Alcohol CAS No. 64-17-5
Species: Rabbit
Result: Mild eye irritation
Exposure time: 24h
Method: Draize test

Respiratory/Skin Sensitization: N.A.

Germ cell Mutagenicity: Product: N.A.

Carcinogenicity:

Product: N.A. Ethyl Alcohol CAS-No. 64-17-5
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC. Ethyl Alcohol CAS-No. 64-17-5
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Ethyl Alcohol CAS-No. 64-17-5
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive Toxicity: Product: N.A.

Specific Target Organ Toxicity - Single exposure: Product: N.A.
Specific Target Organ Toxicity - Repeated exposure: Product: N.A.
Section 12. Ecological Information

Toxicity:
Acute Fish Toxicity:
Ethyl Alcohol CAS No. 64-17-5
LC50 (Fish): 13,000 mg/l
Exposure time: 96h

Toxicity:
Toxicity to Daphnia and Other Aquatic Invertebrates
Ethyl Alcohol CAS-No. 64-17-5
EC50 (Daphnia magna (Water flea)): 12,340 mg/l
Exposure time: 48 h

Toxicity:
Algae
Ethyl Alcohol CAS-No. 64-17-5
EC50 (Pseudokirchneriella subcapitata (green algae)): 5,000 mg/l
Exposure time: 72 h

Persistence and degradability:
Product: N.A.

Bioaccumulative potential:
Product: N.A.

Mobility in soil:
Product: N.A.

Other adverse effects:
Product:
Regulation
40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks
This product neither contains, nor was manufactured with Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

Section 13. Disposal

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging:
Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.
Section 14. Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>1170</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Proper Shipping Name</td>
<td>Ethanol Solution (Ethyl Alcohol Solution)</td>
</tr>
<tr>
<td>DOT Classification</td>
<td>3</td>
</tr>
<tr>
<td>Packing Group</td>
<td>II</td>
</tr>
<tr>
<td>IMDG - UN Number</td>
<td>1170</td>
</tr>
<tr>
<td>IMDG - UN Proper Shipping Name</td>
<td>Ethanol Solution (Ethyl Alcohol Solution)</td>
</tr>
<tr>
<td>IMDG - Packing Group</td>
<td>II</td>
</tr>
<tr>
<td>IMDG - Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>IMDG - EMS-No:</td>
<td>F-E, S-D</td>
</tr>
<tr>
<td>IMDG - Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>IATA - UN Number</td>
<td>1170</td>
</tr>
<tr>
<td>IATA - UN Proper Shipping Name:</td>
<td>Ethanol Solution</td>
</tr>
<tr>
<td>IATA - Packing Group</td>
<td>II</td>
</tr>
<tr>
<td>IATA - Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>Special precautions for user:</td>
<td>N.A.</td>
</tr>
</tbody>
</table>
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | N.A. for product as supplied.

Section 15. Regulatory Information

<table>
<thead>
<tr>
<th>SARA Title III Section 302 Extremely Hazardous Substances:</th>
<th>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Title III Section 304 Extremely Hazardous Substances Reportable Quantity:</td>
<td>This material does not contain any components with a section 304 EHS RQ.</td>
</tr>
<tr>
<td>SARA Title III Section 313 Toxic Chemicals:</td>
<td>This material does not contain any chemical components with known CAS No. that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313</td>
</tr>
<tr>
<td>Clean Air Act:</td>
<td>This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61)</td>
</tr>
<tr>
<td>Clean Water Act:</td>
<td>This product does not contain any chemicals listed under the U.S. Clean Water Act Section 112(r) for Accidental Release Prevention (40 CFR 68.138, Subpart F).</td>
</tr>
<tr>
<td>Massachusetts Right to Know Components:</td>
<td>Ethyl Alcohol CAS-No. 64-17-5 70-90%</td>
</tr>
<tr>
<td>Pennsylvania Right to Know Components:</td>
<td>Ethyl Alcohol CAS-No. 64-17-5 70-90% Water CAS-No. 7732-18-5 10-20%</td>
</tr>
<tr>
<td>New Jersey Right to Know Components:</td>
<td>Ethyl Alcohol CAS-No. 64-17-5 70-90% Water CAS-No. 7732-18-5 10-20%</td>
</tr>
<tr>
<td>California Prop.65:</td>
<td>This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.</td>
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</tbody>
</table>
## Section 16. Other Information

<table>
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</thead>
<tbody>
<tr>
<td>N.A.</td>
<td>O</td>
<td>3</td>
<td>O</td>
<td>O</td>
<td>3</td>
<td>O</td>
<td>O</td>
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<tr>
<td>N.E.</td>
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<tr>
<td>N.D.</td>
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