### Section 1. Identification

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th>Epi-Clenz Instant Hand Sanitizers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>MSC097030; MSC097031; MSC097032; MSC097033; MSC097037; MSC097038; MSD_SDS0083</td>
</tr>
<tr>
<td>Manufacturer Stock Numbers</td>
<td>MSC097030; MSC097031; MSC097032; MSC097033; MSC097037; MSC097038</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Skin care.</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Manufacturer Contact**

<table>
<thead>
<tr>
<th>Address</th>
<th>Medline Industries, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 Lakes Drive</td>
</tr>
<tr>
<td></td>
<td>Northfield, IL, 60093</td>
</tr>
<tr>
<td></td>
<td>USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phone</th>
<th>(800) 633-5463</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Phone</td>
<td>(800) 424-9300</td>
</tr>
<tr>
<td>Fax</td>
<td>(847) 643-4436</td>
</tr>
<tr>
<td>CHEMTREC</td>
<td></td>
</tr>
</tbody>
</table>

**Website**

www.Medline.com

### Section 2. Hazards Identification

<table>
<thead>
<tr>
<th>Classification</th>
<th>FLAMMABLE LIQUIDS - Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Word</td>
<td>Warning</td>
</tr>
<tr>
<td>Pictogram</td>
<td><img src="image" alt="Flammable Pictogram" /></td>
</tr>
</tbody>
</table>
Hazard Statements

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 extinguishing media listed in section 5 of SDS for extinction.

Prevention
Ground/bond container and receiving equipment.
Keep away from heat.
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.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

No Data 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</td>
<td>50% - 75%</td>
</tr>
<tr>
<td>67-63-0</td>
<td>Isopropyl alcohol</td>
<td>0.5% - 2%</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.

Eye Contact:
Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

Skin Contact:
If irritation develops wash area with water. Get medical attention if irritation persists.

Inhalation:
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if discomfort continues or if you feel unwell.

Ingestion:
If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
Most important symptoms and effects, both acute and delayed:

Overview:
Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media
In case of fire, use Dry Chemical, Foam, Carbon Dioxide (CO2), Water fog

Unsuitable Extinguishing Media
N.D.

Specific hazards arising from the chemical:
Hazardous decomposition:
Burning may produce carbon monoxide, carbon dioxide and other hazardous components.
Keep away from heat/sparks/open flames/hot surfaces-No smoking.
Keep cool.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/light/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

Advice for firefighters:
Handle as flammable liquid. Dilution of burning liquid with water will effect extinguishment.

Large quantities of gel hand sanitizer are flammable and vapors from explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidants.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Use personal protection equipment recommended in Section 8.

Environmental Precautions:
Characteristic hazardous waste-flammable liquid. Dispose according to Local, State, and Federal Regulations. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. Collect in flammable waste container for disposal.

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

### 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).

**Specific End use(s):** No data available.

### 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>
<tr>
<td>Isopropyl alcohol</td>
<td>TWA: 200 ppm</td>
<td>TWA: 400 ppm</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>STEL: 400 ppm</td>
<td>STEL: 500 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**Personal Protective Equipment**
- N/A

**Engineering Controls:**
- Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Respiratory Protection:**
- If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators. Air supplied masks or respirator in confined areas.

**Skin Protection:**
- Protective gloves: Rubber Protective gloves: Vinyl.

**Eye Protection:**
- Wear chemical safety glasses with side shields or goggles.

**Other protective equipment:**
- Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled, use appropriate protective clothing or equipment.

**Work/hygienic practices:**
- Handle in accordance with good industrial hygiene and safety practices. 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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>N.D.</td>
</tr>
<tr>
<td>Color</td>
<td>Clear, colorless gel</td>
</tr>
<tr>
<td>Odor</td>
<td>Fruity/Floral fragrance</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not measured</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>Not measured</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>0.902</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>78°F</td>
</tr>
<tr>
<td>FP Method</td>
<td>Closed cup</td>
</tr>
<tr>
<td>pH</td>
<td>5.6-6.4</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not measured</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>173°F</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>Not measured</td>
</tr>
<tr>
<td>LEL</td>
<td>3.3</td>
</tr>
<tr>
<td>UEL</td>
<td>19</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not measured</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not measured</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not measured</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not measured</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not measured</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

- **Reactivity:** Hazardous Polimerization will not occur.
- **Chemical Stability:** Stable under normal conditions.
- **Possibility of Hazardous Reactions:** N.D.
Conditions to avoid: Heat. Sparks. Open flame.

Incompatibility (Materials to Avoid):
Strong oxidizing agents.

Hazardous Decomposition or Byproducts:
Burning may produce Carbon Monoxide, Carbon Dioxide and other hazardous components.

Section 11. Toxicological Information

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms may include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness, and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Acute Toxicity:

Component: Ethanol CAS-No. 64-17-5

Oral LD50
Rat 7,060.00 mg/kg
Category: N.A.

Dermal LD50
Rabbit 20,000.00 mg/kg
Category: N.A.

Inhalation Vapor LC50 mg/L/4hr
Rat 124.70
Category: N.A.

Inhalation Gas LC50, ppm
No data available.

Component: Isopropyl Alcohol CAS-No. 67-63-0

Oral LD50
Rat 4,710.00 mg/kg
Category 5

Dermal LD50
Rat 12,800.00 mg/kg
Category: N.A.

Inhalation Vapor LC50 mg/L/4hr
Rat 72.60 Rat
Category: N.A.

Inhalation Dust/Mist LC50 mg/L/4hr
No data available.

Inhalation Gas LC50, ppm
No data available.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity: Oral</td>
<td>N.A.</td>
</tr>
<tr>
<td>Acute Toxicity: Dermal</td>
<td>N.A.</td>
</tr>
<tr>
<td>Acute Toxicity: Inhalation</td>
<td>N.A.</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Serious eye damage/Eye irritation:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Respiratory Sensitization:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Skin Sensitization:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Germ cell Mutagenicity:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Reproductive Toxicity:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity - Single exposure:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity - Repeated exposure:</td>
<td>N.A.</td>
</tr>
<tr>
<td>Aspiration hazard:</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

**Section 12. Ecological Information**

**Aquatic toxicity:**

**Ingredient:**
Ethanol CAS-No. 64-17-5

96 hr LC50 fish, mg/l
42.00
Oncorhynchus mykiss

48 hr EC50 crustacea, mg/l
2.00
Daphnia magna

ErC50 algae, mg/l
17.921 (96 hr)
Ulva pertusa

**Ingredient:**
Isopropyl Alcohol CAS-No. 67-63-0

96 hr LC50 fish, mg/l
1,400.00
Lepomis macrochirus

48 hr EC50 crustacea, mg/l
100.00
Daphnia magna

ErC50 algae, mg/l
100.00 (72 hr), Scenedesmus subspicatus

Persistence and degradability: No information available.
Bioaccumulative potential: Not measured.
Mobility: No information available.
Results of PBT and vPvB Assessment: This product contains no PBT/vPvB chemicals.
Other adverse effects: No information available.

Section 13. Disposal

Waste Treatment Methods: Destroy by liquid incineration. Use absorbent material and deposit in toxic landfill in accordance with Local, State, and Federal Regulations.

Section 14. Transport Information

UN Number ID8000
UN Proper Shipping Name CONSUMER COMMODITY
DOT Classification 9
Packing Group N/A
IATA - UN Number: ID8000
IATA - Proper Shipping Name: CONSUMER COMMODITY
IATA - Hazard Class: 9
IATA - Packing Group: N/A
IMDG - UN Number 1170
IMDG - Proper Shipping Name: ETHANOL SOLUTION
IMDG - Hazard Class: 3
IMDG - Packing Group III

Section 15. Regulatory Information

SARA 311/312: N.A.
SARA 302: Not listed.
SARA 313: Isopropyl alcohol.
TSCA: N.A.
CERCLA Hazardous Substance List: N.A.
Clean Air Act (CAA) Section N.A.
112, 112 (r):

New Jersey Right to Know Components: ETHYL ALCOHOL.
Isopropyl Alcohol

Massachusetts Right to Know Components: Ethanol.

Pennsylvania Right to Know Components: Ethanol
2-PROPANOL.

Rhode Island Right to Know Components: ethyl alcohol.
isopropyl alcohol.

Section 16. Other Information

Revision Date 8/20/2019

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.): Reactivity 1
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 1

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