



Safety Data Sheet

1. Product And Company Identification

Product Identifier: Rieger's Sustainable Remedy Hand Sanitizer (MSD-240)

General Use: Rieger's Sustainable Remedy Hand Sanitizer is designed to help reduce bacteria that potentially can cause disease. For use when soap and water are not available. Quickly removes the number of microbes on hands.

Product Description: Clear liquid.

COMPANY PROFILE: **EMERGENCY TELEPHONE:**

Jacob Rieger and Company
2700 Guinotte Avenue
Kansas City, MO 64120-1501
Information Number
1-816-702-7800

INFOTRAC
200 North Palmetto Street
Leesburg, FL 34748
24 hrs, 7 days/week
1-800-535-5053

Website: www.JRiegerCo.com, **Email:**

Cheers@JRiegerCo.com

2. Hazards Identification

Direct eye contact may cause irritation. Toxic when ingested.

GHS Classification: Flammable Liquids, Category 3
Eye irritation, Category 2B

GHS Label Elements

Signal Word: Warning

H226 Flammable liquid and vapor

H320 Causes eye irritation

Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces.

No smoking

P370 + P378 In case of fire, use dry sand, dry chemical or alcohol-resistant foam for extinction

P403 + P235 Store in a well-ventilated place. Keep cool

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 IF eye irritation persists: Get medical advice/attention



3. Composition/Information on Ingredients

CAS : 64-17-5 Ethanol 80%
EC : 200-578-6

Inactive ingredients:

CAS: 56-81-5 Glycerol 1.45%

CAS : 7722-84-1 Hydrogen peroxide 0.125%

4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persists.

Ingestion: Toxic when ingested. If a large quantity is swallowed, do not induce vomiting. Call a physician or poison control center immediately.

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4. First Aid Measures (Cont'd)

Inhalation: None usually required. If symptoms develop, seek medical attention.

Skin Contact: None usually required. Material is designed for skin cleansing. If symptoms develop, seek medical attention.

5. Fire Fighting Measures

Extinguishing Media: Use dry sand, dry chemical or alcohol-resistant foam. Do NOT use high volume water jet.

Special Fire Fighting Procedures: Fire hazard. Wear personal protective equipment. Move containers from fire area if it can be done without risk. Keep containers cool and vapors down with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent runoff from entering sewers and public waterways.

Hazardous Combustion Products: Carbon oxides.

Unusual Hazards: Do not breathe fumes. Flash back possible over considerable distance.

6. Accidental Release Measures

Spill or Leak Procedures: Remove all sources of ignition. Contain spill and collect with non-combustible absorbent material (sand, diatomaceous earth, vermiculite) and place in container for disposal (see Section 13).

7. Handling and Storage

Handling Precautions: Keep out of eyes, ears and mouth. For external use only. Keep away from heat or flame. Do not smoke while using. Do not use if pre-existing skin conditions exist.

Storage Precautions: Avoid freezing and excessive heat. Store in a cool, well-ventilated place, between 59° - 86°F (15° - 30°C). Keep away from oxidizing agents. Store in suitable labeled containers away from sources of ignition. **Shelf Life:** Approximately 2 years from date of shipment when stored correctly.

General: Follow label directions carefully. Keep away from heat and sources of ignitions. Keep out of reach of children. Keep container tightly sealed when not in use. The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls/Personal Protection

Engineering Controls: Provide general ventilation to keep concentrations below PEL/TLV.

PERSONAL PROTECTION

Eyes: Not usually necessary unless splashing may occur. Do not allow to directly contact eyes.

Respirator: Not usually necessary.

Gloves: Not normally required.

Other: None.



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8. Exposure Controls/Personal Protection (Cont'd)

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

EXPOSURE LIMITS 8 hrs. TWA (ppm)

OSHA PEL ACGIH TLV

Ethyl alcohol 1000 ppm 1000 ppm

N.E. = Not Established

9. Physical and Chemical Properties (of the Liquid)

Appearance: Clear liquid

Odor: Alcohol **Odor Threshold:** Not established

pH: 7.5 typical

Melting Point/Freezing Point: Not available

Initial Boiling Point and Range: Not available

Flash Point: Not available **Method:** Not applicable

Evaporation Rate: Not available

Flammable Limits: Not available

Conditions of Flammability: Not established

Explosive Properties: None

Vapor Pressure: Not available

Vapor Density: Not available

Relative Density (H₂O = 1): Not available

Solubility in Water: Not available

Auto Ignition Temperature: Not available

Coefficient of Water/Oil Distribution: Not available

VOC: Not available

10. Stability and Reactivity

General: Stable under normal conditions

Conditions of Reactivity: None known under normal conditions.

Incompatible Materials: Strong oxidizing agents and strong acids.

Conditions to Avoid: Heat, flames sparks and contact with incompatible materials.

Hazardous Decomposition: None known.

Hazardous Polymerization: Not applicable

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

Eye Contact: Direct eye contact may cause irritation.

Ingestion: None expected under normal use. Toxic when ingested.

Inhalation: None expected under normal use.

Skin Contact: None expected under normal use.

Chronic: Not established

LD50: Not available **LC50:** Not available

Carcinogenicity: Not classified based on available information

IARC: Not classified

National Toxicology Program: Not established

OSHA: Not established

California Prop 65: No listed ingredient

The following is in lieu of all warranties, expressed or implied: All information provided is based on testing and data believed to be accurate.

11. Toxicological Information (Cont'd)

Reproduction Toxicity: No data available

Teratogenicity: No data available

Mutagenicity: No data available

Synergistic Products: Not available

Ethyl Alcohol: Oral: The oral LD50 for rats is 7.06 g/kg

Inh: The mouse LC50 is 39 gm/m³ (4hr)

12. Ecological Information

The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container in accordance with all local, regional, national and international regulations. Rinse out used containers with copious amounts of cold water to reduce the risk of fire (the containers may then be recycled or disposed of in general waste).

14. Transport Information

Ground Transport: <8 gallons: Consumer Commodity ORM-D.

IATA/ICAO/IMDG:

Proper Shipping Name: Alcohols, N.O.S. (Ethanol, Propan-2-ol)

Hazard Class: 3

Packing Group: III

15. Regulatory Information

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity
OSHA Hazard Communication Standard, 29 CFR 1910.1200: Ethyl alcohol

SARA Title III (Superfund Amendments and Reauthorization Act): No listed ingredient

TSCA (Toxic Substances Control Act): All ingredients are listed.

16. Other Information

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Approved by: Andy Rieger, Jacob Rieger & Company

Approval Date: 04/07/2020

SDS Number: MSD-240