

# SAFETY DATA SHEET (SDS)

According to 1907/2006/EC, Article 31



May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard should be consulted for specific requirements.

## Section I – Identification of the substance/mixture and of the company/undertaking

IDENTITY (As Used on Label and List)

**GelRite Instant Hand Sanitizer (with Vitamin E)**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Manufacturer's Name

**DermaRite Industries**

Emergency Telephone Number

**(973) 569-9000**

Address (Number, Street, City, State, and ZIP Code)

**7777 WEST SIDE AVENUE, NORTH BERGEN NJ 07047**

Telephone Number for Information

**(973) 569-9000**

## Section II – Hazardous identification

**Overview:** This product is regulated by the US FDA as an Over the Counter (OTC) monograph drug.

**For consumers:** Consult the Drug Facts on the package for use directions and warnings information.

### Warnings:

- For External Use only
- When using this product, avoid contact with the eyes.
- Do not use on large areas of the body or on broken, blistered or oozing skin.
- Stop use and consult a doctor if irritation occurs and condition worsens, or symptoms persist for more than 7 days.
- If swallowed, get medical help or contact a Poison Control Center immediately.

### List all hazards regarding the material:

**-Physical Hazards:** HAZMAT Category 3 Flammable Liquid

**-Health Hazards:**

- Serious eye irritation possible, Category 1
- Specific target organ toxicity, single exposure Category 3 Narcotic effects

**-Environmental Hazards:** This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

**-OSHA Defined Hazards:** This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

### Label Elements:

Hazard Symbol (s):



Signal Word: **Danger**

**Hazard Statement:** Flammable liquid and vapor. May cause serious eye irritation. Contains ethyl alcohol (ethanol), exposure to large quantity of vapor as could be encountered when cleaning a large spill may cause drowsiness or dizziness.

### Precautionary Statements:

**Prevention** – When handling or transferring LARGE quantities other than normal use as a hand sanitizer:

Keep away from direct sunlight, heat, sparks, open flames, or hot surfaces. No smoking in areas where large quantities are being processed. Take precautionary measures against static discharge. When transferring large quantities, electrically ground or bond container and receiving equipment.

Use explosion proof electrical, ventilating and lighting equipment. When handling large quantities, use only non-sparking tools, handle/transfer in open well-ventilated areas wear protective gloves and eye protection. To avoid breathing mist or vapor use suitable respirator.

**Response** - If large areas of skin or entire body are covered, remove soaked clothing and rinse skin immediately with water.

**If inhaled** - If large quantity of vapor is inhaled watch for signs of intoxication or dizziness and remove person to fresh air.

**If in eyes** - Remove contact lenses and rinse eyes with water for several minutes. If eye irritation persists, get medical attention.

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## Section II – Hazardous identification (cont.)

**Storage -** Keep containers tightly closed and store in well ventilated area. Keep cool.

**Disposal -** Dispose of contents/container in accordance with local, state, federal regulations.

**Hazards not otherwise Classified (HNOC):** None known.

**Supplemental Information:** None.

### Routes of Entry:

**Skin Contact:** Product is an OTC drug intended for skin contact.

**Skin Absorption:** No adverse conditions expected.

**Eye Contact:** Keep out of eyes, may cause severe eye irritation.

**Inhalation:** Inhalation of large amounts of vapor (as in cleanup of large spills) may cause dizziness or intoxication.

**Ingestion:** Not intended for ingestion: may cause irritation of the digestive tract if ingested.

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## List all required label statements

### **Recommended use and restriction of use:**

For External Use Only

Avoid contact with eyes

Keep out or reach of children

Keep away from heat or open flame

If skin irritation develops stop use and consult a physician

In case of accidental ingestion, seek medical attention right away

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## Section III – Composition and Information on Ingredients (Hazardous components)

Specific Chemical Identity	Common Name(s)	OSHA PEL	ACGIH TLV
Ethyl Alcohol	Ethanol (CAS# 64-17-5)-65%	PEL/TLV/TWA	8 HR 1000 PPM NIOSH/OSHA/ACGIH
Tertiary Butyl Alcohol	t-Butanol (CAS# 75-65-0) 0.07%	TWA/TLV-	100 ppm OSHA/ACGIH

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## Section IV – First aid measures

### **Signs and Symptoms of Exposure and Required Treatments**

**Skin Contact:** If skin irritation develops, stop use and consult a physician.

**Skin Absorption:** If exposed to large quantities as in a spill, remove clothing and wash skin with soap and water.

**Eye Contact:** Flush eyes with clear running water for 15 minutes, if irritation persists, seek medical attention.

**Inhalation:** If exposed to large amounts of vapor as in large spills, watch for signs of intoxication and move to fresh air.

**Ingestion:** If swallowed, rinse mouth with water, get medical attention.

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## Section V – Fire-Fighting Measures

**Flash Point and Method:** 58°F for pure ethyl alcohol (EPA Method 1010)

**Flammable Limits:** Do not store above 105°F. Product contains 67% alcohol. Avoid contact with open flame.

**Extinguishing Media:** CO2 dry chemical; foam spray.

**Special Fire Fighting Procedures:** Product contains 66% alcohol. Use extinguishing media appropriate for surrounding fire.

Use water spray to cool container. If fighting fire involving large amount of this material, use appropriate breathing apparatus.

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**Unusual Fire and Explosion Hazards :** No unusual fire or explosion hazards noted

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**Hazardous Combustion Products:** Carbon dioxide, Oxides of Nitrogen (NOx)

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## Section VI – Accidental Release Measures

### **Steps to be taken if material is released or spilled:**

**Small spills:** Wipe with absorbent product (paper towels, sponge, cloth or other absorbent material).

**Large spills:** Contain by use of vermiculite, or absorbent booms. If inside building provide additional ventilation

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### **Respiratory Protection (Specify Type):**

**Small spills:** none required.

**Large spills:** Wear appropriate personal protective equipment.

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### **Ventilation:**

**Normal Use:** None required

**Large Spills:** wear appropriate PPE

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**Protective Gloves:** Yes, if cleaning large spills

**Eye Protection:** If cleaning large spills

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### **Other Protective Clothing or Equipment**

None required for normal use. If cleaning large spills wear appropriate PPE

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### **Work/Hygienic Practices**

Follow instructions for use on product label

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## Section VII– Handling and Storage

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### Handling Procedures and Equipment

Do not store above 105°F or in direct sunlight. Keep containers closed.  
Do not store near open flames or source of heat such as radiators.  
Keep out of reach of children.  
Observe normal Good Manufacturing Practices.

### Incompatibilities

Do not mix with strong acids or oxidizers

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## Section VIII – Exposure controls/personal protection

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### Occupational Exposure Limits:

Components	ACGIH TLV	OSHA-PEL
Ethyl Alcohol (CAS 64-17-5)	1000 ppm TWA 1900 mg/m <sup>3</sup>	1000 ppm TWA 1900 mg/m <sup>3</sup>
t-Butyl Alcohol (CA# 75-65-0) Control	TWA/TLV- 100 ppm OSHA/ACGIH	100 ppm TWA; 300 mg/m <sup>3</sup> Engineering

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### Appropriate engineering controls

None when the product is used as intended (hand sanitizer)  
If handling/processing large quantities provide adequate ventilation and explosion proof equipment

### Personal protective equipment (PPE)

None needed when product is used according to instructions

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## Section IX – Physical and chemical properties

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**Appearance:** Clear liquid with slight blue tint

**Physical State:** Liquid

**Form:** Liquid

**Color:** Clear to light blue

**Odor:** Mild alcohol odor

**pH @ 25°C:** 6.5 – 7.5

**Boiling Point:** 180°F

**Melting Point:** Not applicable

**Flash Point:** 58°F for pure ethyl alcohol. Higher for finished product

**Explosive Properties:** Not explosive when used as directed

**Oxidizing Properties:** Only by reaction with certain chemicals

**Specific Gravity:** <1.0 @ 20°C

**Water Solubility:** Soluble in water

**Vapor Pressure (Air = 1):** 40

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## Section X – Stability and Reactivity Data

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**Chemical Stability:** Stable under normal conditions

**Reactivity:** May react with strong hydrochloric acid or strong mineral acids

**Possibility of Hazardous Reaction:** Polymerization does not occur

**Conditions to Avoid:** Extreme heat and sources of ignition

**Materials to Avoid:** Strong oxidizers and strong acids

**Hazardous Decomposition Products:** Water and carbon dioxide

**Hazardous Polymerization:** Will not occur

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## Section XI – Toxicological Information

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**Symptoms of Overexposure by Route of Exposure:** The health hazard information provided is for handling this product in an occupational setting.

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## **Section XI – Toxicological Information (cont.)**

### **Effects of Acute and Chronic Exposure:**

**Acute:** Primary health effect that may be experienced in occupational settings is mild irritation of compromised skin. Accidental ingestion may be harmful. Although unlikely, inhalation of large quantities vapors over a prolonged time may cause dizziness or intoxication.

Accidental contact with the eyes (unless rinsed) may cause irritation which could be severe if left untreated.

**Target Organs:** Skin, eyes

**Acute:** Occupational exposure: Eyes

**Chronic:** Occupational exposure: Skin

### **Routes of Entry (due mainly to contact with large amounts as encountered in large spills)**

**Inhalation:** vapors may irritate the nose, throat and lungs or cause dizziness. Symptoms are generally alleviated upon breathing fresh air.

**Skin Contact:** if applied on chaffed or chapped skin may cause burning sensation, stinging, itching and tingling.

**Eye Contact:** can cause stinging, redness, tearing and severe irritation if not flushed quickly with water.

**Ingestion:** ingestion of large quantity may cause adverse symptoms that include nausea, vomiting and diarrhea.

**Irritancy of product:** The product may cause mild to moderate irritation on chaffed or damaged skin.

**Skin Sensitization:** Not expected.

**Respiratory Sensitization:** Not likely due to form of product.

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### **LD50/LC50:**

#### **Ethyl Alcohol:**

- LD50 [oral – rat]: 7060 mg/kg
- LC50 [Inhalation: rat]: 20000 ppm/10H

#### **T-Butyl Alcohol:**

- LD50 [Oral – rat]: 3100 mg/kg
- Dermal: (rabbit) 20800 mg/k
- LC50 Inhalation: [rat-31 mg/l/4h]

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**Carcinogenicity:** Not classified as a human carcinogen by IARC or ACGIH.

### **Reproductive Toxicity:**

**Mutagenic/Embryo Toxicity:** Components of this product are not reported to cause mutagenic or embryonic effects in humans.

**Teratogenicity:** None when used according to directions

**Reproductive Toxicity:** None when used according to directions

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## **Section XII – Ecological Information**

No specific information is currently available on the effect of this product on plants or animals in the environment. If large amount spilled in the environment, the product may be harmful to terrestrial and aquatic plant life. The following aquatic toxicity data currently available for components of this product:

### **Ethyl Alcohol:**

**EC50 Crustacea - Water Flea (Daphnia magna)** 5012 mg/l 48 hours

**EC50 Green algae (Selenastrum capricornutum)** 1000 mg/l 96 hours

**LC 50 Fathead Minnow (Pimephales promelas)** 100 mg/l 96 hours

### **T-butyl alcohol:**

**EC50 Green Algae (Desmodesmus subspicatus):** 19000 mg/l 96 hours

**EC50 Water Flea (Daphnia magna):** 43500 mg/l 48 hours

**LC 50 Fathead Minnow (Pimephales promelas):** 46500 mg/l 96 hours

**Environmental Exposure Controls:** During manufacture of industrial products, controls should be engineered to prevent release to the environment. If spilled on ground, alcohol component will evaporate within 24 hours.

**Ozone depletion Potential:** No component is known to have ozone depletion potential.

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## **Section XIII – Disposal Consideration**

Waste Disposal Method

**Dispose in accordance with local, state or federal regulations.**

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**Section XIV– Transport Information**

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Product as sold for intended use does not require special transportation.

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UN Proper Shipping Name: Ethanol solution

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Transport Hazard Class: Class 3

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Labels: 3

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Packing Group: III

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**Section XV– Regulatory Information**

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This product is an Over The Counter (OTC) monograph drug product regulated by the US FDA .

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This product is not regulated by the Toxic Substances Control Act (TSCA).

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This product is not listed by OSHA as a Specifically Regulated Substance.

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**Section XVI – Other Information**

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Date Prepared

5/22/2020

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