

# SAFETY DATA SHEET

## 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Hand Sanitizer Vitamin E  
**Formula #:** 44404  
**Issue Date:** February 2019  
**Recommended Use:** Hand Sanitizer

## 2 – HAZARDOUS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquid

Category 3

### GHS Label elements, including precautionary statements

### Emergency Overview

**Signal Word**

**Warning**

**Hazard Statements**

Highly flammable liquid and vapor



**Appearance:** Clear colorless

**Physical State:** Gel

**Odor:** Mild, Alcoholic

### **Precautionary Statements – Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.

### **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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

### **Precautionary Statements – Disposal**

Dispose of contents/container to an approved waste disposal plant

### **Precautionary Statements – Storage**

Store in a well ventilated place. Keep cool.

### **Other information**

Causes serious eye irritation

Causes mild skin irritation

### **Interactions with Other Chemicals**

No information available.

## 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Ethanol	64-17-5	65.0
Others		<1.0



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**Hygiene Measures:** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

### 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colorless  
**Physical State:** Gel  
**Flash Point:** 30 – 32°C  
**Melting Point / Range:** No data available  
**Evaporation Rate:** >1.7  
**Odor:** Mild, Alcoholic  
**pH:** 7.2 – 7.7  
**Decomposition Temperature:** No data available  
**Water Solubility:** Soluble in water  
**Vaporation Rate:** No data available  
**Odor Threshold:** No data available  
**Viscosity:** 5,000 – 20,000cps  
**Boiling Point/Range:** No data available  
**Solubility:** No data available  
**Partition Coefficient:n-octanol/water:** No data available

### 10 – STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.  
**Incompatible Products:** Not known  
**Hazardous Polymerization:** Does not occur  
**Conditions to avoid:** Heat, flames and sparks  
**Hazardous Decomposition Products:** Carbon oxides

### 11 – TOXICOLOGICAL INFORMATION

**Acute toxicity:**  
**Product Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

**Chronic toxicity:**  
**Chronic Toxicity** Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 – Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 – Carcinogenic to humans

Group 3 – Not classifiable as to carcinogenicity in humans

**NTP: (National Toxicity Program)**

Known – Known carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X – Present

**Target Organ Effects:** Blood. Central nervous system (CNS). Eyes. Liver. Reproductive system. Respiratory system. Skin.

### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol 64-17-5		LC50: 12.0 – 16.0 mL/L (96 h static) <i>Oncorhynchus mykiss</i> LC50: 13400 – 15100 mg/L (96 h flow-through) <i>Pimephales promelas</i> LC50: >100 mg/L (96 h static) <i>Pimephales promelas</i>	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50: 9268 – 14221 mg/L (48 h) <i>Daphnia magna</i> EC50: 10800 mg/L (24 h) <i>Daphnia magna</i> EC50: 2 mg/L (48 h static) <i>Daphnia magna</i>

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### Bioaccumulation

Chemical Name	Log Pow
Ethanol	-0.32

## 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR Part 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 Part 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**US EPA Waste Number**                      D001  
**California Hazardous Waste Codes**      311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste – Part 2
Ethanol 64-17-5			Toxic Ignitable	Recyclable Hazardous waste

## 14 – TRANSPORT INFORMATION

### DOT

**Proper Shipping Name**                      Consumer commodity  
**Hazard Class**                                    ORM-D  
**Description**                                     Consumer Commodity, ORM-D  
**Emergency Response Guide Number**      127

### TDG

**UN-No.**    UN1170  
**Proper Shipping Name**                      Ethanol Solution,  
**Hazard Class**                                     3  
**Packing Group**                                 III  
**Description**                                     UN1170, Ethanol Solution, 3, III

### MEX

**UN-No.**    UN1170  
**Proper Shipping Name**                      Ethanol Solution,  
**Hazard Class**                                     3  
**Packing Group**                                 III  
**Description**                                     UN1170, Ethanol Solution, 3, III

### ICAO

**UN-No.**    UN1170  
**Proper Shipping Name**                      Ethanol Solution,  
**Hazard Class**                                     3  
**Packing Group**                                 III  
**Description**                                     UN1170, Ethanol Solution, 3, III

### IATA

**UN-No.**    UN1170  
**Proper Shipping Name**                      Ethanol Solution,  
**Hazard Class**                                     3  
**Packing Group**                                 III  
**Description**                                     UN1170, Ethanol Solution, 3, III

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**IMDG/IMO**  
**UN-No.** UN1170  
**Proper Shipping Name** Ethanol Solution,  
**Hazard Class** 3  
**Packing Group** III  
**EmS-No.** F-E, S-D  
**Description** UN1170, Ethanol Solution, 3, III (32°C C.C.)

### 15 – REGULATORY INFORMATION

**International Inventories:**

**TSCA:** Complies  
**DSL:** Not determined  
**EINECS:** Complies

**U.S. Federal Regulations:**

**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories:**

**Acute Health Hazard:** No  
**Chronic Health Hazard:** No  
**Fire Hazard:** Yes  
**Sudden Release of Pressure Hazard:** No  
**Reactive Hazard:** No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations:**

**California Proposition 65**

This product contains the following Proposition 65 chemicals. Ethanol (Ethyl Alcohol) is only a considered Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethanol 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethanol 64-17-5	X	X	X	X	

**International Regulations**

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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## Hand Sanitizer Vitamin E

**WHMIS Hazard Class**

B2 Flammable liquid

D2B Toxic materials

