

Safety Data Sheet

for Health and Beauty Products

# 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Original Sanitizer 65% Ethanol

Item Number: 951AB

Recommended Use: Hand Sanitizer
Supplier Address: Vi-Jon, Inc.

8515 Page Avenue Saint Louis, MO 63114

General Information Contact: Phone: 314-427-1000 (M-F 8am-4pm CST)

Email: info@vijon.com

In Case of Spill Emergency Contact: Chemtrec: 1-800-424-9300 (24-Hour)

# 2. HAZARDS IDENTIFICATION FOR INDUSTRIAL SETTING

**CAUTION!** 

# **Emergency Overview**

FLAMMABLE LIQUID AND VAPOR

Irritating to eyes

Appearance: Clear, Colorless, Viscous Physical State: Viscous liquid Odor: Floral, Alcohol

liquid

**Potential Health Effects** 

Primary Routes of Exposure Skin contact.

Acute Toxicity

**Eyes** Irritating to eyes.

**Skin** Non-irritating during normal use. Prolonged or repeated contact may dry skin and cause

irritation.

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

**Ingestion** Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea. May cause central nervous system depression.

Chronic Effects None known.

Aggravated Medical Pre-existing eye disorders. Kidney disorders. Skin disorders. Respiratory disorders. Liver

**Conditions** disorders. Central nervous system.

**Environmental Hazard** See Section 12 for additional Ecological Information.

3. COMPOSITI	3. COMPOSITION/INFORMATION ON INGREDIENTS				
Chemical Name	CAS-No	Weight %			
Ethyl Alcohol 65%	64-17-5	50-100			
Benzophenone-4	4065-45-6	0-10			
Carbomer	9003-01-4	0-10			
Fragrance	Proprietary	0-10			
Glycerin	56-81-5	0-10			
Isopropyl Myristate	110-27-0	0-10			
Propylene Glycol	57-55-6	0-10			
Tocopheryl Acetate	7695-91-2	0-10			
Water	7732-18-5	10-50			

# 4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If

symptoms persist, call a physician.

**Skin Contact** In the case of skin irritation or allergic reactions see a physician.

**Inhalation** Move to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if

breathing is difficult. If symptoms persist, call a physician.

Ingestion Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a

physician.

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

Flammable Properties HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or

flames. Containers may explode when heated. Many liquids are

lighter than water.

Flash Point 22C / 71F

Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire. Dry

chemical or CO<sub>2</sub>, water spray, fog or alcohol-resistant foam. Move

containers from fire area if you can do so without risk.

Uniform Fire Code • Flammable Liquid: I-B

Unsuitable Extinguishing Media CAUTION: All these products have a very low flash point. Use of

water spray when fighting fire may be inefficient. Do not use a solid

water stream as it may scatter and spread fire.

Hazardous Combustion Products Carbon oxides.

**Explosion Data** 

Sensitivity to Mechanical Impact No.

Specific Hazards Arising from the Chemical Flammable. Vapors may form explosive mixtures with air. Vapors

may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep product and empty container away from heat and sources of ignition. Risk of

ignition.

Sensitivity to Static Discharge Yes.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do so without risk.

NFPA Health Hazard 1 Flammability 3 Stability 0 Physical and Chemical

Hazards - None

# 6. ACCIDENTAL RELEASE MEASURES FOR INDUSTRIAL SETTING

Personal Precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All

equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Take precautionary measures against

static discharges. Use personal protective equipment. Avoid contact with eyes.

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers,

basements or confined areas.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Damp up. Absorb with earth, sand or other non-

combustible material. Use clean non-sparking tools to collect absorbed material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

**Other Information** Water spray may reduce vapor, but may not prevent ignition in closed spaces.

### 7. HANDLING AND STORAGE FOR INDUSTRIAL SETTING

**Handling** Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of

ignition. Take precautionary measures against static discharges. Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Storage Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep

containers tightly closed in a cool, well-ventilated place.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION FOR INDUSTRIAL SETTING

#### **Exposure Guidelines**

There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol	STEL: 1000 ppm	TWA: 1000 ppm	IDLH: 3300 ppm 10% LEL
64-17-5		TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm
		(vacated) TWA: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>
		(vacated) TWA: 1900 mg/m <sup>3</sup>	_
Glycerin	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate	
56-81-5	_	TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	
		(vacated) TWA: 10 mg/m <sup>3</sup> mist, total	
		particulate	
		(vacated) TWA: 5 mg/m <sup>3</sup> mist,	
		respirable fraction	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Engineering Measures Showers

Eyewash stations Ventilation systems

**Personal Protective Equipment** 

**Eye/Face Protection** Tightly fitting safety goggles.

Skin and Body Protection Protective gloves.

**Respiratory Protection**No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Keep away from food, drink and animal feeding stuffs. Provide

regular cleaning of equipment, work area and clothing.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceClear, Colorless, Viscous liquidOdorFloral, AlcoholOdor ThresholdNo information availablePhysical StateViscous liquid

**H** 7.0

Flash Point 71°F / 22°C Autoignition Temperature No information available Boiling Point/Range No information available

Melting Point/Range No information available

Flammability Limits in Air No information available Explosion Limits No information available Water Solubility Miscible in water Solubility No information available

**Evaporation Rate** No information available **Vapor Pressure** No data available

Vapor Density No data available Partition Coefficient: n- N/A

octanol/water

When used in accordance with the directions.

# 10. STABILITY AND REACTIVITY FOR INDUSTRIAL SETTING

Stability Stable under recommended storage conditions.

Incompatible Products Strong oxidizing agents.

**Conditions to Avoid** Heat, flames and sparks.

Hazardous Decomposition Carbon oxides.

**Products** 

**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION FOR INDUSTRIAL SETTING

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

#### **Acute Toxicity**

#### **Product Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl Alcohol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L ( Rat ) 4 h
Glycerin	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m <sup>3</sup> (Rat) 1 h
Isopropyl Myristate	> 10000 mg/kg (Rat)	= 5 g/kg (Rabbit)	> 41 mg/L (Rat)
Propylene Glycol	= 20000 mg/kg (Rat)	= 20800 mg/kg ( Rabbit )	-
Water	> 90 ml /kg ( Rat )	_	-

### **Chronic Toxicity**

Chronic Toxicity None known.

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

Chemical Name	ACGIH	IARC	NTP	OSHA
Carbomer		Group 3		

IARC: (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects Eyes, Kidney, Respiratory system, Skin, Liver, Central nervous system (CNS).

# 12. ECOLOGICAL INFORMATION FOR INDUSTRIAL SETTING

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Product Number: 951AB Product Name: Original Sanitizer 65% Ethanol Issuing Date: November 5, 2013 Revision Date: None **Revision Number:** 0

# 13. DISPOSAL CONSIDERATIONS FOR INDUSTRIAL SETTING

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR

261).

**Contaminated Packaging** Dispose of in accordance with local regulations.

**US EPA Waste Number** D001 California Hazardous Waste Codes 331

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
Ethyl Alcohol			Toxic	Recyclable Hazardous
			Ignitable	Wastes
Carbomer				Total Threshold Limit Conc.
				Values PBT Toxic
				Substances: 2500 mg/kg

# 14. TRANSPORT INFORMATION

**Emergency Response Guide** 127

Number

Description CONSUMER COMMODITY, ORM-D

TDG

DOT

Description UN1170, ETHANOL SOLUTION, 3, III

**MEX** 

Description UN1170, ETHANOL SOLUTION, 3, III

**ICAO** 

Description UN1170, ETHANOL SOLUTION, 3, III

IATA

Description UN1170, ETHANOL SOLUTION, 3, III

IMDG/IMO

**Description** UN1170, ETHANOL SOLUTION, 3, III, FP 22C

### 15. REGULATORY INFORMATION FOR INDUSTRIAL SETTING

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

### **International Inventories**

TSCA Exempt
DSL Not determined

### **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 any 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 Yes
Chronic Health Hazard No
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

#### **Clean Water Act**

This product contains the following ingredients which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Carbomer		X		

# Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following ingredients which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Ethyl Alcohol	64-17-5	50-100		X		
Glycerin	56-81-5	0-10		Group II		
Propylene Glycol	57-55-6	0-10		Group I		

### **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 - None

This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations For Industrial Setting

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethyl Alcohol	X				X
Carbomer		Х			
Glycerin	X	X	X		X

### **International Regulations**

Mexico - Grade No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Ethyl Alcohol		Mexico: TWA 1000 ppm
		Mexico: TWA 1900 mg/m <sup>3</sup>
Glycerin		10mg/m³ (mist) TWA

#### 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.

#### **WHMIS Hazard Class**

B2 D2B



# **16. OTHER INFORMATION**

Prepared By WERCS Professional Services, LLC

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**Issuing Date** November 5, 2013

Revision Date None
Revision Note None

#### **General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

#### Approved and Updated by Vi-Jon, Inc.

#### Disclaimer:

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**End of Safety Data Sheet**