



VI-JON[®] 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 liquid

Physical State: Viscous liquid

Odor: Floral, Alcohol

Potential Health Effects

Primary Routes of Exposure

Skin contact.

Acute Toxicity

Eyes Skin

Irritating to eyes.

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

Inhalation Ingestion

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

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 Conditions

Pre-existing eye disorders. Kidney disorders. Skin disorders. Respiratory disorders. Liver disorders. Central nervous system.

Environmental Hazard

See Section 12 for additional Ecological Information.

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 ₂ , water spray, fog or alcohol-resistant foam. Move containers from fire area if you can do so without risk.
Uniform Fire Code	<ul style="list-style-type: none">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	No.
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 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³
Glycerin 56-81-5	TWA: 10 mg/m ³ mist	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ 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

Appearance	Clear, Colorless, Viscous liquid	Odor	Floral, Alcohol
Odor Threshold	No information available	Physical State	Viscous liquid
pH	7.0		
Flash Point	71°F / 22°C	Autoignition Temperature	No information available
Decomposition 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-octanol/water	N/A

10. STABILITY AND REACTIVITY FOR INDUSTRIAL SETTING

Stability	Stable under recommended storage conditions.	
Incompatible Products	Strong oxidizing agents.	When used in accordance with the directions.
Conditions to Avoid	Heat, flames and sparks.	
Hazardous Decomposition Products	Carbon oxides.	
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 ³ (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.

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

14. TRANSPORT INFORMATION

Emergency Response Guide Number 127

DOT

Description CONSUMER COMMODITY, ORM-D

TDG

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		X			
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 ³
Glycerin		10mg/m ³ (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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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:

The information and recommendations contained in the Material Safety Data Sheet (MSDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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End of Safety Data Sheet