



VI·JON

## Safety Data Sheet



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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** 098AA Germ-X Original Hand Sanitizer – With Fragrance

**Other means of identification**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Hand sanitizer

**Uses advised against** Use only as directed.

**Details of the supplier of the safety data sheet**

**Supplier Name** Vi-Jon Inc.

**Supplier Address** Vi-Jon Inc.  
8800 Page Avenue  
Saint Louis  
MO  
63114  
US

**Supplier Phone Number** Phone: 314-427-1000 (M-F 8am-4pm CST)  
Fax:3144271010

**Supplier Email** info@vijon.com

**Emergency telephone number** Chemtrec: 1-800-424-9300 (24-Hour)



## 2. HAZARDS IDENTIFICATION

### Classification

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

Flammable liquids

Category 3

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal word:

Warning

Flammable liquid and vapor



**Appearance:** Clear to Slightly Hazy,  
Colorless, Slightly Viscous Gel-like Liquid

**Physical state:** Gel-Like Liquid

**Odor:** Alcohol, Floral

### **Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection

### **Precautionary Statements - Response**

#### **Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

#### **Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### **Hazards not otherwise classified (HNOC)**

Not applicable

### **Unknown Toxicity**

2E-06 % of the mixture consists of ingredient(s) of unknown toxicity

### **Other information**

Toxic to aquatic life

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

May cause slight eye irritation

### **Interactions with Other Chemicals**

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Ethyl Alcohol 62% v/v	64-17-5	50 - 100	*
Water	7732-18-5	10 - 50	*
Glycerin	56-81-5	0 - 10	*
Fragrance	Proprietary	0 - 10	*
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Proprietary	0 - 10	*
Propylene Glycol	57-55-6	0 - 10	*
Triethanolamine	102-71-6	0 - 10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

#### Most important symptoms and effects, both acute and delayed

**Most Important Symptoms and Effects** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

#### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Uniform Fire Code** Flammable Liquid: I-C

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Ventilate the area.

### Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**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 62% v/v 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate 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	
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	-	

*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)

### Appropriate engineering controls

**Engineering Measures** Showers  
 Eyewash stations  
 Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical state</b>	Gel-like Liquid	<b>Odor</b>	Alcohol, Floral
<b>Appearance</b>	Clear to Slightly Hazy, Colorless, Slightly Viscous Gel-like Liquid	<b>Odor Threshold</b>	No information available
<b>Color</b>	Colorless	<b>Remarks</b>	<b>Method</b>
<b>Property</b>	<b>Values</b>		
<b>pH</b>	7.0	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	78 °C / 172 °F	None known	
<b>Flash Point</b>	23 C / 73 F	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	0.90	None known	
<b>Water Solubility</b>	Miscible in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing properties</b>	No data available		
<b>Other Information</b>			
<b>Softening Point</b>	No data available		
<b>VOC Content (%)</b>	No data available		
<b>Particle Size</b>	No data available		
<b>Particle Size Distribution</b>	No data available		

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames, and sparks.

### Incompatible materials

None known.

### Hazardous Decomposition Products

None known.

When used in accordance with the directions.

## 11. TOXICOLOGICAL INFORMATION

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

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 62% v/v 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Glycerin 56-81-5	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Propylene Glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Triethanolamine 102-71-6	= 4190 mg/kg ( Rat )	> 20 mL/kg ( Rabbit ) > 16 mL/kg ( Rat )	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies **ONLY** when consumed as alcoholic beverage.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 62% v/v 64-17-5	A3	Group 1	Known	X
Triethanolamine 102-71-6		Group 3		

**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 Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** None known.

**Aspiration Hazard** No information available.



**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**

13,058.00 mg/kg

**ATEmix (inhalation-dust/mist)**

230.60 mg/l

**12. ECOLOGICAL INFORMATION**

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.

**Ecotoxicity**

Toxic to aquatic organisms.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).  
**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.  
**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.

**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  
ERG Code 3L  
Description UN1170, ETHANOL SOLUTION, 3, III

**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, (23°C C.C.)

**RID**

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Classification code F1  
Description UN1170, ETHANOL SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS

**ADR**

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Classification code F1  
Tunnel restriction code D/E  
Description UN1170, ETHANOL SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS

**ADN**

UN-No. UN1170  
Proper Shipping Name ETHANOL SOLUTION  
Hazard Class 3  
Packing Group III  
Classification code F1  
Special Provisions 144, 601  
Description UN1170, ETHANOL SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS  
Hazard Labels 3  
Limited Quantity 5 L  
Ventilation VE01

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL.  
 IECSC -

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US 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	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the 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

### US State Regulations

#### California Proposition 65 - NONE

This product does not contain any Proposition 65 chemicals.

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

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl Alcohol 62% v/v 64-17-5		X	X		
Glycerin 56-81-5	X	X	X	X	
Propylene Glycol 57-55-6	X		X		
Triethanolamine 102-71-6	X	X	X		

### International Regulations

#### **Mexico**

#### **National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Ethyl Alcohol 62% v/v 64-17-5 ( 50 - 100 )		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
Glycerin 56-81-5 ( 0 - 10 )	-	10mg/m <sup>3</sup> (mist) TWA

Mexico - Occupational Exposure Limits - Carcinogens

#### **Canada**

#### **WHMIS Hazard Class**

Not determined



Product Number: 098AA  
Issuing Date: January 12, 2016

Product Name: Germ-X Original Hand Sanitizer – with Fragrance  
Revision Date: None  
Revision Number: 0

## 16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	3	Instability	0	Physical and Chemical Hazards	-
HMIS	Health Hazards	1	Flammability	3	Physical Hazard	0	N/A	Personal Protection
								X

Prepared By Product Stewardship  
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Issuing Date January 12, 2016

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:

The information and recommendations contained in the Safety Data Sheet (SDS) 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**

