

**Product Number:** 845AE  
**Issuing Date:** May 31, 2015

**Product Name:** Alcohol 70% Wintergreen with Glycerin  
**Revision Date:** None  
**Revision Number:** 0



**VI-JON**<sup>®</sup>

## Safety Data Sheet



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

**Product identifier**

**Product Name** 845AE Alcohol 70% Wintergreen with Glycerin

**Other means of identification**

**Synonyms** None

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

**Recommended Use** First-Aid Kit or Supplies

**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: 314-427-1010

**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)

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>Signal word</b>	<b>Danger</b>	
<b>Hazard Statements</b> Causes serious eye irritation May cause respiratory irritation. May cause drowsiness or dizziness Highly flammable liquid and vapor		
		
<b>Appearance:</b> Clear, Green Liquid	<b>Physical State:</b> Liquid	<b>Odor:</b> Methyl Salicylate/Alcoholic

### **Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
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  
Keep cool  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection

### **Precautionary Statements - Response**

#### **Eyes**

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

#### **Skin**

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

#### **Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

#### **Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

Not applicable

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**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
Isopropyl Alcohol 70% v/v	67-63-0	50-100	*
Blue 1	3844-45-9	0-10	*
Glycerin	56-81-5	0-10	*
Methyl Salicylate	119-36-8	0-10	*
Water	7732-18-5	10-50	*
Yellow 5	1934-21-0	0-10	*

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

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.

**Ingestion**

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

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

**Most Important Symptoms and Effects** Burning sensation.

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

**Notes to Physician**

Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.



## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

### 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 dry chemical extinguishers to control fires involving nitromethane or nitroethane. Do not use straight streams.

### Specific Hazards Arising from the Chemical

Vapors can 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). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

#### Uniform Fire Code

Irritant: Liquid  
Flammable Liquid: I-B

### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge Yes.

### Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### 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.

#### Other Information

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental Precautions

#### Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

#### Methods for Containment

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

#### Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. 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. Do not eat, drink or smoke when using this product. 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

Strong oxidizing agents. Acids. Chlorinated compounds.



## 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
Isopropyl Alcohol 70% v/v 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m <sup>3</sup> TWA: 400 ppm STEL: 500 ppm STEL: 1225 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	

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits 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) See section 15 for national exposure control parameters

### Appropriate engineering controls

#### Engineering Measures

Showers  
 Eyewash stations  
 Ventilation systems

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

#### Eye/Face Protection

None required for consumer use. If splashes are likely to occur: 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

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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. 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>	Liquid	<b>Odor</b>	Methyl
<b>Appearance</b>	Clear, Green Liquid		Salicylate/Alcoholic
<b>Color</b>	Green	<b>Odor Threshold</b>	No information available
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
<b>pH</b>	UNKNOWN	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	82 °C / 180 °F	None known	
<b>Flash Point</b>	22 C / 72 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>	0.878	None known	
<b>Water Solubility</b>	Soluble 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><u>Other Information</u></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

None known.

### Incompatible materials

None known.

### Hazardous Decomposition Products

Carbon oxides.

### Other Adverse Effects

No information available.

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
Isopropyl Alcohol 70% v/v 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rabbit )	= 16000 ppm ( Rat ) 8 h
Glycerin 56-81-5	-	> 10 g/kg ( Rabbit )	-
Methyl Salicylate 119-36-8	= 887 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit ) = 2500 mg/kg ( Rat )	-
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** May cause redness and tearing of the eyes.

### 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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 70% v/v 67-63-0		Group 3		X
Blue 1 3844-45-9		Group 3		

*IARC (International Agency for Research on Cancer)*

*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

*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** Eyes. Respiratory system. Skin. Blood. Kidney. Liver. Spleen. Systemic Toxicity.

**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)**

7,000.00 mg/kg

**ATEmix (dermal)**

20,382.00 mg/kg (ATE)

**ATEmix (inhalation-vapor)**

88.55 ATEmix

## 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

The environmental impact of this product has not been fully investigated.

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Disposal methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging</b>	Dispose of contents/containers in accordance with local regulations.
<b>US EPA Waste Number</b>	D001
<b>California Hazardous Waste Codes</b>	331

## 14. TRANSPORT INFORMATION

### DOT

<b>Proper Shipping Name</b>	CONSUMER COMMODITY
<b>Hazard Class</b>	ORM-D
<b>Description</b>	CONSUMER COMMODITY,ORM-D
<b>Emergency Response Guide Number</b>	129

### TDG

<b>UN-No.</b>	UN1219
<b>Proper Shipping Name</b>	ISOPROPANOL
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Description</b>	UN1219,ISOPROPANOL,3,PG II

### MEX

<b>UN-No.</b>	UN1219
<b>Proper Shipping Name</b>	ISOPROPANOL
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Description</b>	UN1219 ISOPROPANOL,3,II

### ICAO

<b>UN-No.</b>	UN1219
<b>Proper Shipping Name</b>	ISOPROPYL ALCOHOL
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Description</b>	UN1219,ISOPROPYL ALCOHOL,3,PG II

### IATA

<b>UN-No.</b>	UN1219
<b>Proper Shipping Name</b>	ISOPROPANOL
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Description</b>	UN1219,ISOPROPYL ALCOHOL,3,PG II



Product Number: 845AE  
Issuing Date: May 31, 2015

Product Name: Alcohol 70% Wintergreen with Glycerin  
Revision Date: None  
Revision Number: 0

**IMDG/IMO**

UN-No. UN1219  
Proper Shipping Name ISOPROPANOL  
Hazard Class 3  
Packing Group II  
EmS-No. F-E, S-D  
Description UN1219, ISOPROPANOL,3,PG II

**RID**

UN-No. UN1219  
Proper Shipping Name ISOPROPANOL  
Hazard Class 3  
Packing Group II  
Classification code F1  
Description UN1219 ISOPROPANOL,3,II

**ADR**

UN-No. UN1219  
Proper Shipping Name ISOPROPANOL  
Hazard Class 3  
Packing Group II  
Classification code F1  
Description UN1219 ISOPROPANOL,3,II

**ADN**

UN-No. UN1219  
Proper Shipping Name ISOPROPANOL  
Hazard Class 3  
Packing Group II  
Classification code F1  
Special Provisions 601  
Description UN1219 ISOPROPANOL,3,II  
Hazard Labels 3  
Limited Quantity LQ4  
Ventilation VE01

**15. REGULATORY INFORMATION**

**International Inventories**

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

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 contains 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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol 70% v/v - 67-63-0	67-63-0	40 - 70	1.0

**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

**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)



**Product Number:** 845AE  
**Issuing Date:** May 31, 2015

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**Revision Date:** None  
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**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
Isopropyl Alcohol 70% v/v 67-63-0	X	X	X	X	
Blue 1 3844-45-9		X			
Glycerin 56-81-5	X	X	X	X	
Methyl Salicylate 119-36-8			X		

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Isopropyl Alcohol 70% v/v 67-63-0 ( 50 - 100 )		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m <sup>3</sup> Mexico: STEL 500 ppm Mexico: STEL 1225 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**

B2  
D2B



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## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> - N/A
<b>HMIS</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 3	<b>Physical Hazard</b> 0	<b>Personal Protection</b> X

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1-800-572-6501

**Issuing Date** May 31, 2015

**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**

