

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-05-14

## Section 1 - Product and Company Information

**Product Name:** Cool Gel Hand Sanitizer

**Product Part Number(s):** HS-236G,

**Recommended Use:** Health care personnel hand-rub to help reduce bacteria that potentially can cause disease.

**COMPANY IDENTIFICATION:**

Polyvance  
1128 Kirk Rd.  
Rainsville, AL 35986

**Information email:** info@polyvance.com

**EMERGENCY TELEPHONE NUMBER:**

**24 Hour Emergency contact:** Chemtrec: 1-800-424-9300  
Outside US: 703-527-3887

**Customer Information Number:** 256-638-4103 (7AM - 4PM (CST) M-F)

## Section 2 - Hazards Identification

**Appearance:** Clear almost colorless

**Odor:** Alcohol like

**Hazard Statement:**

DANGER! Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

**Signal Word:** DANGER!

**Signal Word Hazard:** Highly flammable liquid and vapor

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
 Flammable	 Irritant	Not Applicable

### GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Physical	H225	Highly flammable liquid and vapor
Health	H319	Causes serious eye irritation
Health	H336	May cause drowsiness or dizziness

**Precautionary Statement:**

Keep away from heat/sparks/open flames/hot surfaces - No smoking. Keep container tightly closed. Store in a well ventilated place. Keep container tightly closed.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
Prevention	P233	Keep container tightly closed
Storage	P403+233	Store in a well ventilated place. Keep container tightly closed

### Section 3 - Composition / Information on Ingredients

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Component	CAS #	ENIECS	REACH Reg. No.	Amount
Ethanol	64-17-5			73.2%
2-Methyl, 2-Propanol	75-65-0			<1%
Methanol	67-56-1			<0.1%
Acetaldehyde	75-07-0			<0.01%
2-Propanol	67-63-0			<0.01%

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### Section 4 - First Aid Measures

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<b>Eye Contact:</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin Contact:</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Ingestion:</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Medical Conditions Aggravated by Exposure:</b>	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

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### Section 5 - Firefighting Measures

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<b>Extinguishing Media:</b>	Water fog. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used from small fires only.
<b>Special Protective Equipment:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Unusual Fire or Explosion Hazards:</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce the potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

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### Section 6 - Accidental Release Measures

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<b>Personal Precautions:</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Environmental Precautions:</b>	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

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**Methods for Containment:**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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## Section 7 - Handling and Storage

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**General Handling Practices:**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Storage Requirements:**

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

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## Section 8 - Precautions to Control Exposure / Personal Protection

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Component	Source	Type	Value	Remarks
2-Methyl, 2-Propanol	OSHA	PEL	300 mg/m <sup>3</sup>	100 ppm
2-Methyl, 2-Propanol	ACGIH	TWA	100 ppm	
2-Methyl, 2-Propanol	NIOSH	STEL	450 mg/m <sup>3</sup>	
2-Propanol	ACGIH	STEL	400 ppm	
2-Propanol	NIOSH	STEL	1225 mg/m <sup>3</sup>	
2-Propanol	OSHA	PEL	980 mg/m <sup>3</sup>	400 ppm
Acetaldehyde	ACGIH	Ceiling	25 ppm	
Acetaldehyde	OSHA	PEL	360 mg/m <sup>3</sup>	200 ppm
Ethanol	ACGIH	STEL	1000 ppm	
Ethanol	NIOSH	TWA	1900 mg/m <sup>3</sup>	1000 ppm
Ethanol	OSHA	PEL	1900 mg/m <sup>3</sup>	1000 ppm
Methanol	NIOSH	TWA	260 mg/m <sup>3</sup>	200 ppm
Methanol	OSHA	PEL	260 mg/m <sup>3</sup>	200 ppm
Methanol	ACGIH	STEL	250 ppm	
Methanol	ACGIH	TWA	200 ppm	
Methanol	NIOSH	STEL	325 mg/m <sup>3</sup>	250 ppm

## Personal Protective Equipment (PPE):

**Eye / Face Protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection:** Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Hygienic Measures:** When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Engineering Controls:** Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

HMIS Personal Protection: G



Safety Glasses



Gloves



Vapor Respirator

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## Section 9 - Physical and Chemical Properties

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**Appearance:** Liquid

**Odor Threshold:** Not available

**pH:** Not available

**Melting Point:** -20 F (-29 C)

**Freezing Point:** -20 F (-29 C)

**Boiling Point:** 192 F (88.9 C) (estimated)

**Boiling Range:** Not available

**Flash Point:** 73 F (23 C)

**Evaporation Rate:** Not available

**Flammability:** Not applicable

**Upper Flammability Limit:** Not available

**Lower Flammability Limit:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Specific Gravity:** 6.83 lbs./gal (0.82 g/ml)

**Solubility in Water:** Not available

**Partition Coefficient:** Not available

**Autoignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Viscosity:** Not available

**Percent Volatiles:** 98.9%

**Volatile Organic Compounds (VOC's):** 75.8%

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## Section 10 - Stability and Reactivity

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**Chemical Stability:** Material is stable under normal conditions.

**Conditions to Avoid:** Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** No hazardous decomposition products are known.

**Hazardous Polymerization:** Does not occur.

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** LD50, Rat 4.7g/kg

**Skin Absorption:** LD50, Rabbit 12800 mg/kg

**Sensitization:** Due to partial or complete lack of data the classification is not possible.

**Carcinogenicity:** (Acetaldehyde) Possibly carcinogenic to humans.

**Corrosivity:** Due to partial or complete lack of data the classification is not possible.

**Reproductive:** Possible reproductive hazard.

**Target Organs:** Due to partial or complete lack of data the classification is not possible.

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## Section 12 - Ecological Information

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**EcoToxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Bioaccumulation:** The bioaccumulation potential is low.

**Mobility / Partitioning:** No data available

**Other Adverse Effects:** The product contains volatile organic compounds which have a photochemical ozone creation potential.

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## Section 13 - Disposal Considerations

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**Disposal Method:** collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Container Disposal:**

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## Section 14 - Transport Information

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### DOT

**Proper Shipping Name:** Ethanol Solutions

**Hazard Class:** 3

**Identification Number:** UN1170

**Packing Group:** II

## IMDG (Maritime transport)

## IATA (Air transport)

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### Section 15 - Regulatory Information

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Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)  
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

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**The following lists hazardous components and the regulatory lists for which they are required to be reported.**

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**Component:** 2-Methyl, 2-Propanol

**CAS:** 75-65-0

**Amount:** <1%

2-Methyl, 2-Propanol is listed with New Jersey Right to Know.

2-Methyl, 2-Propanol is listed with Pennsylvania Right to Know.

2-Methyl, 2-Propanol is listed with Rhode Island Right to Know.

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**Component:** 2-Propanol

**CAS:** 67-63-0

**Amount:** <0.01%

2-Propanol is listed with New Jersey Right to Know.

2-Propanol is listed with Pennsylvania Right to Know.

2-Propanol is listed with Rhode Island Right to Know.

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**Component:** Acetaldehyde

**CAS:** 75-07-0

**Amount:** <0.01%

Acetaldehyde is on the California Prop 65 Cancer list.

Acetaldehyde is listed with New Jersey Right to Know.

Acetaldehyde is listed with Pennsylvania Right to Know.

Acetaldehyde is listed with Rhode Island Right to Know.

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**Component:** Ethanol

**CAS:** 64-17-5

**Amount:** 73.2%

Ethanol is listed with Pennsylvania Right to Know.

Ethanol is listed with Rhode Island Right to Know.

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**Component:** Methanol

**CAS:** 67-56-1

**Amount:** <0.1%

Methanol is on the California Prop 65 Reproductive list.

Methanol is listed with New Jersey Right to Know.

Methanol is listed with Pennsylvania Right to Know.

Methanol is listed with Rhode Island Right to Know.

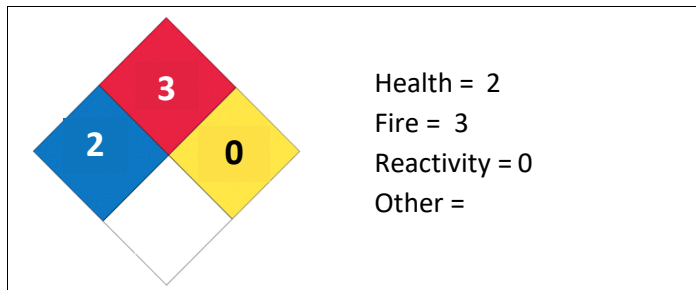
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#### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>2</b>	Health = 2
<b>FIRE</b>	<b>3</b>	Fire = 3
<b>PHYSICAL</b>	<b>0</b>	Physical = 0
<b>PERSONAL PROTECTION</b>	<b>G</b>	Personal Protection = G

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#### NFPA Ratings




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## Section 16 - Other Information

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### Legend

ACGIH	American Conference of Governmental Hygenists
CAS	Chemical Abstract Service
DOT	Department of Transportation
HMIS	Hazardous Materials Identification System
IATA	International Air Transport Associations
LD	Lethal Dose
LTEL	Long Term Exposure Limit
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
VOC	Volitile Organic Compounds

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### DISCLAIMER

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