

# PROVETA Hand Sanitizer (Gel)

## Safety Data Sheet



### Section 1: Identification of the substance/mixture and the company/undertaking

#### 1.1 Identification

Product name : PROVETA Hand Sanitizer (Gel)  
Product code : PROVETA/HS  
Other names : Antiseptic skin cleanser  
Cas number : USP Grade Ethanol (64-17-5)

#### 1.2. Recommended use

Uses of the product : Hand Sanitizer/Antiseptic skin cleanser  
Restrictions use : Do not use on children/infants less than 2 years of age (unless directed by a doctor/physician/health care practitioner/ health care provider/ health care professional).

#### 1.3 Canadian supplier identifier

Supplier Identifier : Proveta Nutrition Ltd.  
1225 Ave W South, Saskatoon SK S7M5W7  
Phone: 306-244-4494, fax: (306) 228 4016

#### 1.4 Emergency telephone number

24 -Hour Emergency Telephone Number : CANUTEC (24HR EMERGENCY TELEPHONE) (613) 996-6666

### SECTION 02: Hazard Identification

#### 2.1: Hazard identification (GHS-CCOHS classification)

##### Globally Harmonised System (GHS) and the Canadian Centre for Occupational Health and Safety

Flammable Liquid : Category 3  
Eye Irritation Category : 2A

#### 2.4 Label elements

Hazard pictograms (GHS-CCOHS)



Single word : Warning  
Hazard statements (GHS-CCOHS) : H225 – Highly Flammable liquid and vapor  
: H319 - Causes serious eye irritation and remove contact lenses  
Precautionary statements : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
: P233 - Keep container tightly closed  
: 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.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
Storage : Store in a well-ventilated place. Keep cool  
Other hazards : Not known

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### Section 03: Composition/Information on ingredients (Ref: WHO-recommended Handrub Formulations April -R-2010)

3.1 Mixtures name	CAS-No	Percent %
Ethanol	64-17-5	80.0
Hydrogen Peroxide	7722-84-1	0.125
Glycerine	56-81-5	1.45
Hydroxypropyl Methylcellulose (HPMC 2910)	9004-65-3	0.7
Water	7732-18-5	Balance

### Section 04: First aid measures

#### 4.1 First-aid measures by route of exposure

Inhalation	Remove the victim into the fresh air. When using this product avoid contact with eyes. If contact occurs, rinse thoroughly with water. Stop use and ask/consult a doctor/Physician/health care practitioner/health care provider/health care professional if irritation develops
If swallowed	Rinse mouth. Get medical attention if symptoms occur
Eye contact	When using this product avoid contact with eyes. If contact occurs, rinse thoroughly with water. Stop use and ask/consult a doctor/Physician/health care practitioner/health care provider/health care professional if irritation develops
Ingestion	Rinse mouth with water. Do not induce vomiting. Call the Poison Information Centre (1-866-454-1212) SK, Canada Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: take him to the hospital immediately

**Notes to Physician:** Treat symptomatically

#### 4.2 Most important symptoms and effects (acute or delayed)

Most important symptoms and effects (acute or delayed) : No special precautions are necessary for first aid responders

### Section 05: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media	High volume water jet
Specific hazards during fire fighting	Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Hazardous combustion products	Carbon oxides
Special protective equipment for fire-fighters	Use personal protective equipment.
Specific extinguishing methods	Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes

### Section 06: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment	Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Wear appropriate protective equipment such as
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Small Spill	Gloves. Safety goggles. Cover all and protective clothing. : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large spill	: Flammable. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.
<b>6.2 Methods and materials for containment and cleaning up</b>	
Emergency procedures	:Mark the danger area. Consider evacuation. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof of appliances and lighting equipment. Keep containers closed.
Environmental precautions	:Do not allow contact with soil, surface or ground water
Cleaning procedure	:Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### Section 07: Handling and storage

#### 7.1 Precautions for safe handling

Precautions for safe handling	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces
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#### 7.2 Conditions for safe storage (including incompatible materials)

	Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
	Storage temperature 0°C to 35°C
Others	Good personal hygiene practices are suggested, such as abstaining from eating, drinking and smoking in the workplace

### Section 08: Exposure controls/Personal protection

#### 8.1 Control parameters Occupational exposure guidelines limits and the source of those values

	CAS-No.	Form of exposure	Permissible concentration	Basis
Exposure limits: Ethanol	64-17-5	TWA	1,000 ppm	ACGIH
			1,000 ppm	NIOSH
			1,900 mg/m <sup>3</sup>	REL
			1,000 ppm	OSHA Z1
Exposure limits: Glycerin	56-81-5	TWA	1,900 mg/m <sup>3</sup>	
			15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup>	OSHA PEL
Exposure limits: Hydrogen Peroxide	7722-84-1	TWA	1 ppm (1.4 mg/m <sup>3</sup> )	NIOSH REL
			1 ppm (1.4 mg/m <sup>3</sup> )	OSHA PEL
Hydroxypropyl Methylcellulose (HPMC 2910)	9004-65-3	-	OLD 50: Rat>10,000 mg/kg ILD 50: > 5,200mg/kg	-

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### 8.2 Appropriate engineering controls

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants

### 8.3 Individual protection measures (e.g. personal protective equipment)

Personal Protective Equipment (PPE) No special protective equipment required

Hand protection

Skin protection

Respiratory protection

Hygiene measures

### 8.4 Exposure limits

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Ethanol	1000 ppm TLV-TWA	1000 ppm TWA	3300 ppm
Hydrogen Peroxide	TWA-1.0 PPM	unknown	TLV BASIS-Eye, URT, & skin irr
Glycerine	TWA-10mg/m <sup>3</sup>	unknown	TLV BASIS-URT irr
Hydroxypropyl Methylcellulose (HPMC 2910)	OLD 50: Rat>10,000 mg/kg ILD 50: >5,200mg/kg	OLD 50: Rat>10,000 mg/kg ILD 50: >5,200mg/kg	OLD 50: Rat>10,000 mg/kg ILD 50: >5,200mg/kg
Water	-	unknown	Oral LD50 (Rat) >90 mL/kg

## Section 09: Physical and chemical properties

Appearance (physical state, colour, etc.)	: Gel/Translucent
Odour	: Typical lower alcohol
Odour threshold	: No data available
Boiling point	: No data available
pH	: 7.0-8.5
Melting point	: No data available
Freezing point	: No data available
Volatility	: No data available
Lower flammability limit	: No data available
Upper Flammability Limit	: No data available
Flashpoint	: 23°C closed cup
Evaporation rate	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Density	: 0.869-0.775 @ 20°C
Solubility	: Dissolved in water and alcohol
Partition coefficient - n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

## Section 10: Stability and reactivity

Chemical stability : Stable under normal conditions

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

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Conditions to avoid (e.g., static discharge, shock, or vibration) : Heat, flames and sparks  
Incompatible materials : Strong acids. Strong bases  
Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

### Section 11: Toxicological information

#### 11.1 Routes of exposure

Routes of Entry : Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.  
Inhalation : Health injuries are not known or expected under normal use  
Ingestion : Health injuries are not known or expected under normal use  
Skin contact : Health injuries are not known or expected under normal use  
Eye contact : Causes serious eye irritation, Redness, Pain, Irritation

#### 11.2 Symptoms related to the physical, chemical and toxicological characteristics

No symptoms known or expected

#### 11.3 Delayed and immediate effects, and chronic effects from short-term and long-term exposure

No symptoms known or expected

#### 11.4 Numerical measures of toxicity, including acute toxicity estimates (ATEs)

Acute oral toxicity	Health injuries are not known or expected under normal use
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
STOT-single exposure	The substance or mixture is not classified as specific target organ toxicant, single exposure

### Section 12: Ecological information

Ingredients	Ecotoxicity- Fish Species Data	Toxicity to Aquatic Plants	Toxicity to Micro Organisms	Other Adverse Effects
Environmental Effects			Harmful to aquatic life.	
Ethanol	LC 50/96 Hour Oncorhynchus mykiss > 10,000 mg/l	Growth inhibition/96 Hours Chlorella vulgaris 1000 mg/l	Pseudomonas Putida 6,500 mg/l Inhibition of cell growth	BOD 740-840 mg/g
Hydrogen Peroxide	TWA-1.0 PPM,	-	-	-

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Glycerine	TWA-10mg/m <sup>3</sup>	-	-
Hydroxypropyl Methylcellulose (HPMC 2910)	LC50(Fish);>100mg/L	-	5 days BOD>0-100mg/g
Water	-	-	-

### Section 13: Disposal considerations

#### 13.1 Information on safe handling for disposal and methods of disposal, including any contaminated packaging

Disposal methods	The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility
Disposal considerations	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers
RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste	D001 (Ignitable)

### Section 14: Transport information

#### TDG (Canada) Land Transport DOT

UN number	: UN 1170
Description of the goods	: ETHANOL Hand Sanitizer
Transport hazard class(es)	: Primary Class -3
Packing group	: III
Environmental hazards	: No
Transport in bulk, if applicable	: 242 (49 CFR 173.xxxx)

#### IMDG/IMO

UN number	: UN- 1170 Class: 3 Packing Group: II
Description of the goods	: ETHANOL Hand Sanitizer
Marine Pollutant:	: No

### Section 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific to the product

CERCLA Reportable Quantity	This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a section 304 EHS RQ
SARA 311/312 Hazards	Fire Hazard Acute Health Hazard
SARA 302	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects

### Section 16: Other Information

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NFPA Diamond for Ethanol



NFPA health hazard: 2- Moderate

NFPA fire hazard: 3 - High

NFPA Physical hazard: 0 – Not significant, 1= Slight

**Note:** Information in this SDS is from available published sources and is believed to be accurate. Proveta Nutrition Ltd assumes no liability resulting from the use of this SDS. The responsibility to provide a safe workplace remains with the user.

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