

SAFETY DATA SHEET

Issuing Date 29-May-2020

Revision Date 29-May-2020

Revision Number 2

Canada / English



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publically available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

1. IDENTIFICATION

Product identifier

Product Name HealthCare Plus Sanitizing Hand Gel (with technical grade ethanol)

Other means of identification

Product Code(s) 1586418

Recommended use of the chemical and restrictions on use

Recommended Use Hand sanitizer

Restrictions on use No information available

Details of the supplier of the safety data sheet

Initial supplier identifier Canadian Custom Packaging Company

Address 333 Rimrock Road
Toronto
ON
M3J 3J9
CA

Telephone Phone:416-638-1111
Fax:416-638-3800

E-mail ccp@cdncustompackaging.com

Emergency telephone number

Company Emergency Phone Number 416-638-1111

2. HAZARDS IDENTIFICATION

Classification



Flammable liquids

Category 2

GHS Label elements, including precautionary statements

Danger

Hazard statements

Highly flammable liquid and vapor



Precautionary Statements - Prevention

Ground and bond container and receiving equipment

Use non-sparking tools

Take action to prevent static discharges

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Skin

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

Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Toxic to aquatic life

Unknown acute toxicity

72.5 % of the mixture consists of ingredient(s) of unknown toxicity

1.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

72.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

72.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

72.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

2.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No.	%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ethanol	64-17-5	70% v/v	-	-
Glycerin	56-81-5	1% w/w	-	-

4. FIRST AID MEASURES

Description of first aid measures

- Inhalation** Remove to fresh air.
- Eye contact** 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.
- Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
- Ingestion** Clean mouth with water and drink afterwards plenty of water.
- Self-protection of the first aider** 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. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
- Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.
- Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.
- 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.



Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. 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. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

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

Advice on safe handling Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 Conditions 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.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Ethanol 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m ³	STEL: 1000 ppm	STEL: 1000 ppm	STEL: 1000 ppm
Glycerin 56-81-5	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³		TWA: 10 mg/m ³

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 controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. 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.

General hygiene considerations 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

Information on basic physical and chemical properties

Physical state Gel; Liquid
Appearance Colorless
Odor Alcohol
Color No information available
Odor Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	6.5 – 8.0	USP
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	13 C	Tag Closed Cup, ASTM D-56
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	

Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.8500 – 0.9200	USP
Water Solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	No info available	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	7000 – 15000 cps	Brookfield RVT, (Spindle 5, Speed 20)

Other Information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal 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 based on information supplied.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

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



Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral) 10,005.60 mg/kg
ATEmix (inhalation-dust/mist) 178.14 mg/L

Unknown acute toxicity 72.5 % of the mixture consists of ingredient(s) of unknown toxicity
 1.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 72.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 72.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 72.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 2.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	= 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

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X

Legend

- ACGIH (American Conference of Governmental Industrial Hygienists)**
A3 - Animal Carcinogen
- IARC (International Agency for Research on Cancer)**
Group 1 - Carcinogenic to 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.



Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life. .

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol	-	96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	24h EC50: = 10800 mg/L (Daphnia magna) 48h LC50: 9268 - 14221 mg/L (Daphnia magna) 48h EC50: = 2 mg/L (Daphnia magna)
Glycerin	-	96h LC50: 51 - 57 mL/L (Oncorhynchus mykiss)	-	24h EC50: > 500 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation

Component Information

Chemical name	Log Pow
Ethanol	-0.32
Glycerin	-1.76

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

14. TRANSPORT INFORMATION

TDG

UN-No. UN1987
 Proper Shipping Name ALCOHOLS, N.O.S.
 Hazard Class 3
 Packing Group II



Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II

DOT

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
Description UN1987, ALCOHOLS, N.O.S., 3, II
Emergency Response Guide Number 127

MEX

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II

ICAO

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II

IATA

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
ERG Code 3L
Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II

IMDG/IMO

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
EmS-No. F-E, S-D
Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II, (13°C C.C.)

RID

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
Classification code F1
Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II
ADR/RID-Labels 3

ADR

UN-No. 1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3



Packing Group II
Classification code F1
Tunnel restriction code (D/E)
Description 1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II, (D/E)

ADN

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group II
Classification code F1
Special Provisions 640C, 601, 274
Description UN1987, ALCOHOLS, N.O.S. (AMINOMETHYL PROPANOL), 3, II
Hazard Labels 3
Limited Quantity 1 L
Ventilation VE01

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA Contact supplier for inventory compliance status.
DSL/NDSL Contact supplier for inventory compliance status.
EINECS/ELINCS Contact supplier for inventory compliance status.
ENCS Contact supplier for inventory compliance status.
KECL Contact supplier for inventory compliance status.
PICCS Contact supplier for inventory compliance status.
AICS Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION

NFPA	Health hazards 1	Flammability 3	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 1	Flammability 3	Physical hazards 0	Personal Protection X

Prepared By Product Stewardship



23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date 29-May-2020
Revision Date 29-May-2020
Revision Note No information available

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 a 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

End of Safety Data Sheet