SAFETY DATA SHEET

Issuing Date 08-Sept-2020 **Revision Date-** NA **Revision Number 1**

NGHS / English

Product Identifier OTC Hand Sanitizer Formula #: Issue Date: Sept 08, 2020 Recommended Use: Personal Care Hygiene Manufacturer's:- Apollo Health and Beauty Care Inc. Name & Address: 1 Apollo Place, Toronto, Ontario, Canada M3J 0H2 Telephone No.: (416) 758-3700 Fax: (416) 758-3701 Website: www.apollocorp.com	APOLLO HEALTH AND BEAUTY CARE

1. IDENTIFICATION

Product identifier

Product Name OTC Hand Sanitizer

Other means of identification

Product Code(s) SAM 49119 (NPN 80097861)

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

Supplier Identification APOLLO HEALTH AND BEAUTY CARE INC.

Address
1 APOLLO PLACE
TORONTO
Ontario
M3J 0H2
Canada

Telephone
Phone:416 758 3700
Fax:416 758 3701

E-mail dsanderson@apollocorp.com

Emergency telephone number

Company Emergency Phone Number

Recommended use : Hand Sanitizer

Restriction on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product.

2. HAZARDS IDENTIFICATION

Classification

Flammable Liquids	Category 3
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 2
Aspiration toxicity	Category 1

Appearance Clear **Physical state** Liquid **Odor** Alcohol

GHS Label elements, including precautionary statements

Warning

Hazard statements
Flammable Liquid and vapor

Signal Word:

WARNING

Hazard statement(s)
H225 Highly flammable liquid and vapor.
H315 + H320 Causes skin and eye irritation
H335 + H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Statements - Prevention
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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/eye protection/face protection

Precautionary Statements - Response

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

Fire
In case of fire: Use CO_2, dry chemical, or 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 with long lasting effects.

Unknown acute toxicity 66.7 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
66.7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
66.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
66.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
1.7 % 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.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Active Ingredients				
Ethyl Alcohol (USP)	64-17-5	1	-	-
Inactive Ingredients				
PEG-6	2615-15-8	4	-	-
AMP-Acrylates/Vinyl Isodecanoate Crosspolymer		5	-	-
Fragrance (Parfum)		6	-	-

Range code- 1- 30-100%, 2- 10-30%, 3- 3-10%, 4- 1-3%, 5- 0.3-1%, 6- 0.1-0.3%, 7- 0-0.1%.

4. FIRST AID MEASURES

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation Remove to fresh air.

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

Skin contact If symptoms persist, call a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.

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	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 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 No special measures necessary provided the product is used correctly.

Skin and body protection No special measures necessary provided the product is used correctly.

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 Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. 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 Liquid
Appearance Clear

Odor Alcohol
Color Clear
Odor Threshold Approximately 0.1 to 5100 ppm for ethyl alcohol as reported in appendix 1 of the Canadian Standards Association guide Z94.4-M1982.

Property	Values	Remarks Method
pH	6-8	
Melting / freezing point	Approx. minus 100 deg. C	None known
Boiling point / boiling range	Approximately 78 to 83 deg. C	None known
Flash Point	13 (Tag closed cup, ASTM D-56)	
Evaporation Rate	3.6 (butyl acetate = 1)	None known
Upper flammability limit	19 % V/V for 100% Ethanol	
Lower flammability limit	3.3% V/V for 100% Ethanol	
Vapor pressure	5.87 KPA @ 20 C, for 100% Ethanol	None known
Vapor density	1.61 (air=1)	None known
Relative density	0.7882 @ 20ºC	
Specific Gravity	0.89-0.95	
Water Solubility	Miscible in water	
Solubility(ies)	No data available	None known
Viscosity	15000-35000 cps	LVT Spindle 4 @ 6 rpm @ 25 °C
Partition coefficient: n-octanol/water	Not applicable	
Autoignition temperature	Approx. 370 deg. C	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Chemical Formula
Ethanol: C_2-H_5-OH Molecular weight:7
Water: H_2O Molecular weight:18.0
PEG-6: $C_{12}H_{26}O_7$ Avg Mol wt: 8000

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 Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition..

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents, Acid Anhydrides, Acid Chlorides, Peroxides, Alkali metals.

Hazardous Decomposition Products Carbon oxides, Carbon Monoxide (CO)..

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. Causes serious eye irritation (based on components). Irritating to eyes.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation (based on components). Repeated exposure may cause skin dryness or cracking.

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) 10,799.20 mg/kg
ATEmix (inhalation-dust/mist) 191.80 mg/L

Unknown acute toxicity
66.7 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
66.7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
66.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
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1.7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol	= 7060 mg/kg (Rat) = 3450 mg/kg (mouse)	-	= 124.7 mg/L (Rat) 4 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 Severe eye irritant.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

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

Chemical name NTP	CAS.No	ACGIH	IARC	NTP	OSHA	Mexico
Ethyl alcohol 64-17-5	64-17-5	A3	Group 1	Known	-	Not listed

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 May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethyl Alcohol	-	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)	-	24h EC50: = 10800 mg/L (Daphnia magna) 48h LC50: 9268 - 14221 mg/L (Daphnia magna) 48h EC50: = 2 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation .

Chemical Name	Log Pow
Ethyl Alcohol	-0.32

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.

US EPA Waste Number D001

California Waste Codes 311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous waste
Ethyl alcohol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name: Ethanol
UN-No UN 1170
Hazard Class: 3
Emergency Response Guide Number: 127
Packing Group: II

TDG

Proper Shipping Name: Ethanol
UN-No UN 1170
Hazard Class: 3
Emergency Response Guide Number: 127
Packing Group: II

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

Proper Shipping Name: Ethanol
UN-No UN 1170
Hazard Class: 3
Emergency Response Guide Number: 127
Packing Group: II

IMDG/IMO

Proper Shipping Name: Ethanol
UN-No UN 1170
Hazard Class: 3
Emergency Response Guide Number: 127
Packing Group: II

RID

UN-No.: UN1170
Proper Shipping Name : ETHANOL SOLUTION
Hazard Class : 3
Packing Group : III
Classification code : F1
Description : UN1170, ETHANOL SOLUTION, 3, III
ADR/RID-Labels : 3

ADR

UN-No. 1170
Proper Shipping Name: ETHANOL SOLUTION
Hazard Class: 3
Packing Group: III
Classification code: F1
Tunnel restriction code: (D/E**)**
Description: 1170, ETHANOL SOLUTION, 3, III, (D/E)

AND

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
Hazard Labels: 3
Limited Quantity: 5 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	Complies.
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

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
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

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

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl alcohol - 64-17-5	Carcinogen
	Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl alcohol 64-17-5	X	X	X		X

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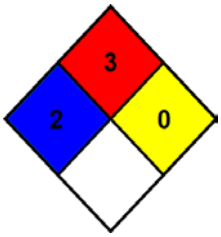
16. OTHER INFORMATION

Full text of H-phrases: see section 16:

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H335	May cause respiratory irritation

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



HMIS

Health Hazards 1, **Flammability** 3, **Physical Hazards 0,** **Personal Protection** X

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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

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