



Apex Hand Sanitizer

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 05/12/2020 Revision date: n/a Printed: 05/14/2020 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Apex Hand Sanitizer
Product code : EtOH

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Hand sanitizer
Use advised against : None identified

1.3. Details of the supplier of the safety data sheet

Apex Offense
10061 Amberwood Road
Fort Myers, FL 33913

Tel: 855-769-3393

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (within the United States and Canada)
1FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT,
CONTACT CHEMTREC (24-Hour Number)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Flammable Liquid, Category 2
Eye Damage/Irritation, Category 2B

2.2. Label elements

Labelling

Hazard pictograms :



Signal word : Danger
Hazard statements : Highly flammable liquid and vapour
Causes eye irritation

Precautionary statements : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment.
Use explosion-proof electrical equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Wash hands and exposed skin thoroughly after handling.
Wear protective gloves/eye protection.
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 water spray, dry powder or carbon dioxide to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents in accordance with local, state or national legislation.

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2.3. Other hazards

Other hazards which do not result in : Static accumulating flammable liquid. Spills of this product present a serious slipping hazard.

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier (CAS No.)	% w/w
ethanol ethyl alcohol	64-17-5	60 - 70
Hamamelis virginiana, ext.	84696-19-5	3 - 5

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets.

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1).

Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician

4.2. Most important symptoms and effects, both acute and delayed

Contact to eyes may cause eye irritation. Symptoms may include stinging, watering, redness, or swelling.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Water or foam may cause frothing of materials heated above 212°F / 100°C.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Danger of slipping by leaking/spilling product. Avoid contact with eyes. Avoid breathing mist. Evacuate unnecessary personnel. Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Store away from other materials. Ensure all national/local regulations are observed.

6.4. Reference to other sections

Refer to section 8 and 13 for additional information on personal protection equipment and waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Obtain special instructions before use. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment.
Storage conditions : Keep only in the original container in a cool well-ventilated place. Keep container closed when not in use. Keep away from incompatible materials. Keep away from sources of heat. Store locked up.
Incompatible materials : Strong oxidizing agents. Strong acids. Peroxides. Aldehydes. Halogens. Ammonia. Acid anhydrides. Alkali metals.
Incompatible condition : Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTTEL (8 hr TWA ppm)	LTTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Ethyl alcohol (Ethanol)	64-17-5	1000	1900			OSHA PEL Z-1
Ethyl alcohol; ethanol	64-17-5	1000	1900			OSHA PEL
Ethyl alcohol (Ethanol)	64-17-5	1000				NIOSH REL Z-1
Ethanol (Ethyl alcohol)	64-17-5			1000	1880	ACGIH TLV

Remark	Notes
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
OSHA PEL	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2018

8.2. Exposure controls

Appropriate engineering controls : Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection.
Personal protective equipment : Handle in accordance with good industrial hygiene and safety practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.
Hand protection : Wear protective clothing and gloves: Impervious gloves.
Eye protection : Wear eye protection with side protection.
Respiratory protection : In case of insufficient ventilation, a suitable mask with filter type A may be appropriate.
Other information : Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear gel
Color	: Green-blue tint
Odor	: Alcohol, Tea tree
Odor threshold	: No data available
pH	: 6.5 – 8.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: ca179.6 °F (82 °C) - Estimated
Flash point	: >68 °F - <73.4 °F (20 - 23 °C) - Estimated
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.875 (water=1)
Solubility	: Soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity	: 3,500 - 23,000 mm ² /s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None anticipated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4. Conditions to avoid

Avoid friction, sparks, or other means of ignition

10.5. Incompatible materials

Oxidizing agents. Bleaching agent. Strong acids, bases.

10.6. Hazardous decomposition products

Thermal decomposition products: Hydrocarbon substances with low molecular weight and their oxidation products. Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - Ingestion	: Not classified.
Acute toxicity - Skin Contact	: Not classified.
Acute toxicity - Inhalation	: Not classified.

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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Self classification: Causes eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology – Aquatic invertebrates	: Low toxicity to invertebrates.
Toxicity - Fish	: Low toxicity to fish.
Toxicity - Algae	: Low toxicity to algae.
Toxicity - Sediment Compartment	: Not classified.
Toxicity - Terrestrial Compartment	: Not classified.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose at suitable refuse site.
Ecology - waste materials	: Avoid release to the environment.

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SECTION 14: Transport information

14.1 UN number

UN No. 1987

14.2 UN proper shipping name

UN proper shipping name ALCOHOLS, N.O.S. (Ethanol)

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 3

ADR Classification Code F1

Special Provisions 274 601 640C

Limited Quantities 1 L

Excepted Quantities E2

Emergency Action Code •3YE

Mixed Packing Instructions for Packages P001

Special Packing Provisions for Packages

Mixed Packing Instructions for Packages MP19

Packing Instructions for Portable Tanks T7

Special Provisions for Portable Tanks TP1 TP8 TP28

Tank Code for Tanks L1.5BN

Special Provisions for Tanks

Vehicle for Tank Carriage FL

ADR Transport Category 2

Tunnel Restriction Code D/E

Special Provisions for Carriage -
Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading,
Unloading and Handling

Special Provisions for Carriage -
Operation S2 S20

ADR HIN 33

IMDG

IMDG Class 3

Special Provisions 274 601 640C

Limited Quantities 1 L

Excepted Quantities E2

Mixed Packing Instructions for Packages P001

Special Packing Provisions for Packages

Packing Instructions for Portable Tanks T7

Special Provisions for Portable Tanks TP1 TP8 TP28

IMDG EMS F-E, S-D

Stowage and Handling Category B

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name ALCOHOLS, N.O.S. (Ethanol)

Excepted Quantities E1

Passenger and Cargo Aircraft Limited
Quantities Packing Instructions Y344

Passenger and Cargo Aircraft Limited
Quantities Max net Qty 10L

Passenger and Cargo Aircraft Packing
Instructions 355

Passenger and Cargo Aircraft Max net
Qty 60L

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Cargo Aircraft Packing Instructions 366
Cargo Aircraft Max net Qty 220L
Special Provisions A3, A180
Emergency Response Guidebook (ERG) Code 3L
Labels 3



14.4 Packing group

Packing group II

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: Regulatory information

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z) Listed : 64-17-5
National emission standards for hazardous air pollutants (40 CFR 61.01) Not listed
SARA Title III Section 313 Not listed
TSCA (Toxic Substance Control Act) Listed : 64-17-5 (Active), 7732-18-5 (Active)
CAA 602 - Ozone Depleting Substances (ODS) Not listed

15.2 US State Regulations

State Right to Know Lists
Proposition 65 (California) Not listed
Minnesota Listed : 64-17-5
New Jersey Listed : 64-17-5
Pennsylvania Listed : 64-17-5
Rhode Island Listed : 64-17-5

15.3 Other

OSPAR List of Chemicals for Priority Action Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) Not listed
NTP (National Toxicology Program) Not listed
IARC (International Agency for Research on Cancer) Listed : 64-17-5

SECTION 16: Other information

Indication of changes : Not applicable
Revision date : Not applicable

Acronyms
ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit

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RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product