

SECTION 1: IDENTIFICATION

Product Identifier

SafePure Hand Sanitizer 80% v/v

Other Means of Identification

AMD Medicom Item Code(s): List of Products in Annex

Company AddressAMD Medicom Inc.
2555 Chemin de l'Aviation
Pointe-Claire, Québec, H9P 2Z2**Telephone Number (Canada):** 514-636-6262**Emergency Telephone Number:** 1-800-361-2862

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

Eye irritation: Category 2B

Flammable liquids: Category 2

Canadian Hazardous Products Regulations (SOR/2015-17)

Category	Subcategory	Criteria
Eye Irritation – Category 2	Eye Irritation – Category 2A	A substance that is not classified in the category “Serious Eye Damage – Category 1” and in respect of which animal data acquired from tests performed in accordance with the OECD Guideline for the Testing of Chemicals, No. 405, entitled <i>Acute Eye Irritation/Corrosion</i> , as amended from time to time, demonstrate in at least two or three a positive response that fully reverses within an observation period of more than seven days but not more than 21 days, and the mean score calculated following gradings at 24, 48, and 72 hours after instillation of the substance, is <ol style="list-style-type: none">In the case of corneal opacity, ≥ 1;In the case of iritis, ≥ 1;In the case of conjunctival redness, ≥ 2; orIn the case of conjunctival edema (chemosis), ≥ 2
Eye Irritation – Category 2	Eye Irritation – Category 2B	A substance that is not classified in the category “Serious Eye Damage – Category 1” and in respect of which animal data acquired from tests performed in accordance with the OECD Guideline for the Testing of Chemicals, No. 405, entitled <i>Acute Eye Irritation/Corrosion</i> , as amended from time to time, demonstrate in at least two or three a positive response that fully reverses within an observation period of more than seven days, and the mean score calculated following gradings at 24, 48, and 72 hours after instillation of the substance, is <ol style="list-style-type: none">In the case of corneal opacity, ≥ 1;In the case of iritis, ≥ 1;In the case of conjunctival redness, ≥ 2; orIn the case of conjunctival edema (chemosis), ≥ 2

Category	Criteria
Flammable Liquids – Category 1	A liquid that has a flash point <23°C and initial boiling point ≤35°C
Flammable Liquids – Category 2	A liquid that has a flash point <23°C and initial boiling point >35°C
Flammable Liquids – Category 3	A liquid that has a flash point ≥23°C and ≤60°C
Flammable Liquids – Category 4	A liquid that has a flash point >60°C and ≤93°C

GHS Hazard Pictograms:

Potential Health Effects:

Skin:	May cause moderate skin irritation and possibly dermatitis when exposition is prolonged or repeated.
Eyes:	May cause eye irritation. Common symptoms include stinging, tearing, and redness.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Systemic toxicity and acidosis may occur.
Inhalation:	May cause respiratory tract irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients as defined by the Canadian Hazardous Products Act.

Product	CAS Number	Concentration
Ethyl alcohol	64-17-5	≈80%
Aqua (Water)	7732-18-5	QS to 1L (or 500ml)
Glycerine	56-81-5	2% - 10%
<i>Aloe barbadensis</i> Leaf Juice	94349-62-9	≈0.1%
Denatonium Benzoate	3734-33-6	<0.01%

SECTION 4: FIRST AID MEASURES

General Advice:	In the case of accident occurs, seek medical advice immediately.
Eye Contact:	Generally, product causes eye irritation. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin Contact:	Wash off with soap and plenty of water. If irritations persist, consult a doctor.
Ingestion:	DO NOT induce vomiting. Rinse mouth thoroughly with water. If the person is unconscious, do not give him/her anything to rinse/drink. Consult a doctor if necessary.
Inhalation:	N/A

SECTION 5: FIRE FIGHTING MEASURES

Flammability:	The product is flammable.
Suitable extinguishing media:	Water spray, Carbon dioxide (CO ₂), alcohol-resistant foam, powders.
Specific hazards during fighting:	DO NOT use a solid water stream as it may scatter and spread fire. On heating or during combustion, it forms toxic and irritating vapors, may form explosive mixtures with air.
Specific firefighting methods:	Do not attempt to fight the fire without suitable protective equipment. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water to cool down the unopened containers and then remove containers from fire area if it is safe to do so. In fire persists and cannot be extinguished evacuate the area.
Protection of firefighters:	As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Remove all sources of ignition. Use full protective equipment (eyewear, breathing, mask, gloves, etc.).
Environmental precautions:	Do not discharge product into natural waters without pre-treatment or adequate dilution. Prevent further leakage or spillage. Local authorities should be advised if significant spillages cannot be contained.
Methods and material for containment and cleaning up	
Containment:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. For large spills, provide diking or other appropriate containment to keep material from spreading.
Cleaning up:	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.

SECTION 7: HANDLING AND STORAGE

Handling:	Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Precautions: Use full protective gear.
Storage:	Store the container tightly closed, in a cool and dry area. Keep away from heat and sources of ignition. Incompatible materials: DO NOT store with oxidizing agents, flammable chemicals, peroxides, pyrophoric components, self-heating substances, explosives, and gases.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

For the final user:	This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.
<u>In workplace (manufacturer, distributor, and warehouse):</u>	
Respiratory equipment:	- The use of an approved organic vapor cartridge respirator is recommended. - The user should consult a respirator guide, such as the Canadian Standards Association's guide Z94.4-M1982
Ventilation:	- The ventilation system should be non-sparking, grounded, and separate from other exhaust ventilation systems. - Local ventilation is recommended when handling.
Protective Gloves:	Neoprene, butyl, or natural rubber.
Skin and Body Protection:	Protective equipment is needed.
Eye Protection:	When handling a chemical, resistant goggles is highly recommended.
Other Protective Equipment:	Eye bath, safety shower.

**** For more detailed information, refer to RTECS (NIOSH/OSHA) and/or OH & S**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color/ Appearance	Liquid
Density	N/A
Specific Gravity	0.80 – 0.95
Solubility in Water	Miscible
pH	N/A
Viscosity	N/A
Flammability	Flammable
Auto-ignition Temperature	N/A
Flash point	Category 3
Evaporation Rate	N/A
Decomposition temperature	N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to avoid: Avoid all possible sources of ignition (spark or flame).

Reactivity: N/A

Possibility of hazardous reactions: Under normal conditions of storage and use, no hazardous reactions will occur.

Incompatible materials: See Section 7 Storage conditions

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. When burning can product carbon monoxide and/or carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

This is a personal care or cosmetic product that complies with the safety assessment. Based on the information obtained from each ingredient the finished product is not expected to be harmful on humans.

Principle Routes of Exposure/Potential Health effects

Carcinogenic effects: Finished product is not expected to be carcinogenic.

Mutagenic effects: Finished product is not expected to be mutagenic.

Reproductive toxicity: Finished product is not expected to be reproductive toxic.

OH & S: The Canadian Environmental Protection Act 1999 (CEPA 1999).

Allergen to declare: Finished product is not expected to contain allergens.

Toxicological data observed on animal:

Chemical	Purity % V/V	TLV, ppm	LC 50, ppm/4h (inhalation in rats)	LD 50, mg/Kg (Oral in rats)	LD 50, mg/Kg (Skin in rabbits)
Ethyl alcohol	95	1000	31,623	/	20,000

References: ACGIH American Conference of Governmental Industrial Hygienists (1988-1989)
RTECS Registry of Toxic Effects of Chemical Substances (1983)

Skin corrosion/irritation: Not classified based on available information. The product has been designed and developed meeting the current Canadian Monograph Category IV.

SECTION 12: ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Ethyl alcohol CAS 64-17-5. Reference: Hiram Walker & Sons Ltd.

Gathered information based on an ethyl alcohol 95%.

Ecotoxicity (Aquatic and terrestrial where available)

Acute Fish toxicity

LC50/96 HOUR *Oncorhynchus mykiss* (rainbow trout) > 10,000 mg/l

LC50/96 HOUR *Pimephales promelas* (fathead minnow) > 13,400 mg/l

Toxicity to aquatic plants

Growth inhibition/96 HOURS *Chlorella vulgaris* (Fresh water algae) 1,000 mg/l

Toxicity to microorganisms

Toxicity Threshold / *Pseudomonas putida*

Summary: Inhibition of cell multiplication begins

Persistence and degradability: Biodegradation is expected.

Bioaccumulation potential: Bioaccumulation is unlikely.

Other adverse effects: BOD: 740-840 mg/g

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

For Household Settings (final user): Information use is provided on the product's packaging. For consumer usage only according to the product's information.

For Non-Household Settings (manufacturer, intermediate clients, distributors): Products covered by this SDS, in their original form, when disposed as waste, should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14: TRANSPORT AND STORAGE

Regulatory information: Ethyl alcohol

UNRTDG: United Nations Recommendations on the Transport of Dangerous Goods

United Nations Number: UN 1987

Proper shipping name: Alcohol/Ethanol

Class: 3

Packing group: III

Labels: 3

IATA:

UN/ID Number: UN 1987

Proper shipping name: Alcohols/Ethanol

Class: 3

Packing group: III

Labels: Flammable Liquids

Packing instruction (cargo aircraft): 366

Packing instruction (passenger aircraft): 355

IMDG: International Maritime Dangerous Goods

UN number : UN 1987

Proper shipping name : ALCOHOLS/Ethanol

Class: 3

Packing group: III

Labels: 3

EmS Code Emergency Response Procedures for Ships Carrying Dangerous Goods: F-E, S-D

SECTION 15: REGULATORY INFORMATION
International regulations:
CTFA:

All the ingredients of this preparation are listed.

European inventory:

All the ingredients of this preparation are listed.

Labelling:

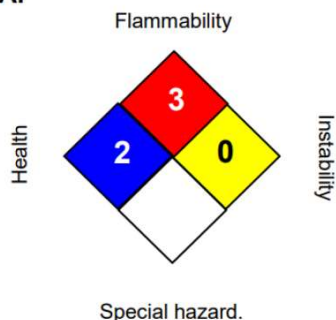
Symbols and indicators of danger: Refer to Section 2.

California Proposition 65:

This product does not contain any chemical known to cause cancer.

Inventories/Country Notification:

AICS (Australia), DSL (Canada), IECs (China), REACH/EINECS (European Union), ENCS/ISHL (Japan), KECI/KECL (Korea), NZIoC (New Zealand), PICCS (Philippines), NECI (Taiwan), TSCA (USA)

SECTION 16: OTHER INFORMATION
NFPA:

HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. AMD Medicom Inc. shall not be held liable for any damage resulting from handling or from contact with the products listed in Annex.

ANNEX: LIST OF PRODUCTS

Item Code No.	Description
7000	Medicom SafePure 80%, 1L, Cartridge
7100	Medicom SafePure 80%, 1L, Spray Bottle
7500	Medicom SafePure 80%, 500ml, Spray Bottle