



Safety Data Sheet

SamaN Ultimate Disinfectant

1. Identification

Product identifier: SamaN Ultimate Disinfectant
Product code: UAD
Supplier Name: SamaN
660, rue du Filtre
Victoriaville, (Québec)
G6T 0T6
Telephone: 819 751-2350
Emergency telephone number: 819 751-2350
Available hours: 8h-17h Monday to Friday
Recommended use: To kill bacteria and viruses such as COVID-19
Restrictions on use: For domestic and commercial use.

2. Hazard identification

Signal word: **WARNING**

Product classification:

Flammable liquids - Category 4

Hazard statement(s): Combustible liquid.

Precautionary statement(s)

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves, protective clothing, eye and face protection.

Response: In case of fire: Use an appropriate extinguisher.



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Storage: Store in a well ventilated place.

Disposal: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: Not applicable.

See toxicological information, section 11

3. Composition/Information on ingredients

No	CAS No	Common name and synonyms	Concentration % (w/w)
1	67-63-0	Isopropyl alcohol, Isopropanol	5.02
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	0.25

4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

Skin contact: Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

Inhalation: Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an



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unconscious person. Get medical attention immediately.

Symptoms: Diarrhea.

Effects (acute or delayed): If ingested in large quantities may cause gastro-intestinal disorders.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: Combustible. If heated, vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source.

Hazardous combustion products: Carbon monoxide and dioxide. Aldehydes. Carboxylic acids.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



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6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosionproof equipment. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: Finely divided metals (Ba, Be, Na, P, Al, Mg etc). Strong oxidizing agents. Strong acids and bases. Oxidizers.



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8. Exposure controls/Personal protection

No	CAS No	Common name and synonyms	IDHL mg/m3	TWA mg/m3	STEL mg/m3	CEIL mg/m3
1	67-63-0	Isopropyl alcohol, Isopropanol	4916	983	1230	Not available
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	Not available	Not available	Not available	Not available

IDHL: Immediately Dangerous to Life or Health Concentrations

TWA : Time Weighted Average

STEL: Short -Term Exposure Limit

CEIL: Ceiling Limit

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.



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9. Physical and chemical properties

Physical state: Liquid

Colour: Colorless

Odour: Light

Odour threshold: Not available

pH: 7,0

Melting/Freezing point: 0 °C (32 °F)

Initial boiling point/boiling range: 100 °C (212 °F)

Flash point: 62 °C (143.6 °F) Closed cup

Lower flammable/explosive limit: Not available

Upper flammable/explosive limit: Not available

Auto-ignition temperature: 399 °C (750.2 °F)

Evaporation rate: 0,050 (ether=1)

Vapour pressure: 17,535 mm Hg at 20 °C

Vapour density: < 1 (air =1)

Specific gravity: 0,986 kg/L at 20 °C (water = 1)

Solubility in water: Soluble

Partition coefficient - n-octanol/water: Not applicable

Decomposition temperature: Not available

Kinematic viscosity: Not available

10. Stability and reactivity

Reactivity: Stable under recommended conditions of storage and handling.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: Danger of explosion when heated.

Conditions to avoid: Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks, Keep away from incompatible products.

Incompatible materials: This product can attack certain types of plastic, rubber or coatings.

Hazardous decomposition products: Carbon monoxide and dioxide. Aldehydes. Carboxylic acids.



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11. Toxicological information

No	CAS No	Common name and synonyms	(1) LD oral	(2) LD skin	(3) LD skin	(4) LC gases	(5) LC vapours	(6) LC dusts-mist
1	67-63-0	Isopropyl alcohol, Isopropanol	5045	12800	12800	Not applicable	30.1	> 7.50
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	240	1100	1100	Not applicable	Not applicable	> 5.00

(1) LD₅₀ oral mg/kg

(2) LD₅₀ skin mg/kg

(3) LD₅₀ skin mg/kg

(4) LC₅₀ inhalation ppmV 4h gases

(5) LC₅₀ inhalation mg/l 4h vapours

(6) LC₅₀ inhalation mg/l 4h dusts-mist

Routes of exposure: This product is absorbed by the digestive tract.

Symptoms: Diarrhea.

Delayed and immediate effects: If ingested in large quantities may cause gastro-intestinal disorders.

No	CAS No	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	67-63-0	Isopropyl alcohol, Isopropanol	3	A4	The data do not allow for an adequate assessment of mutagenic effects.	The data do not allow for an adequate evaluation of the effects on reproduction. The data do not allow for an adequate evaluation of the effects on development.



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2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	Not available	Not available	The data do not allow for an adequate assessment of mutagenic effects.	Experimental teratogen.
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Cancer classification under IARC (International Agency for Research on Cancer)

- Group 1: carcinogenic to humans.
- Group 2A: probably carcinogenic to humans.
- Group 2B: possibly carcinogenic to humans.
- Group 3: not classifiable as to its carcinogenicity to humans.
- Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

- Group A1: confirmed human carcinogen.
- Group A2: suspected human carcinogen.
- Group A3: confirmed animal carcinogen with unknown relevance to humans.
- Group A4: not classifiable as a human carcinogen.
- Group A5: not suspected as a human carcinogen.

12. Ecological information

No	CAS No	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	67-63-0	Isopropyl alcohol, Isopropanol	5.02	Yes	No	No
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	0.25	No	Yes	Yes



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No	CAS No	Common name and synonyms	%	Ecotoxicity for aquatic organisms-Short term	Ecotoxicity for aquatic organisms-Long term	Environnemental effects
1	67-63-0	Isopropyl alcohol, Isopropanol	5.02	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	0.25	Very toxic to aquatic life.	Not available.	No known adverse effect to the environment.

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. Vapor from product residues may create a flammable atmosphere if heated.

14. Transport information

	TDG	DOT	IMDG	IATA
UN number				
Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard class(es)				
Packing group				

Other information

Marine pollutant: No

IMDG: Not applicable

Exemption for limited quantity: Not applicable

Special precautions: Not applicable



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Others exemptions: Not applicable

15. Regulatory information

Canada

No	CAS No	Common name and synonyms	%	DSL	NDSL	NPRI
1	67-63-0	Isopropyl alcohol, Isopropanol	5.02	X		X
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	0.25	X		

United-States

No	CAS No	Common name and synonyms	%	TSCA	PROP-65	Right to Know
1	67-63-0	Isopropyl alcohol, Isopropanol	5.02	X		X
2	68424-85-1	Alkyl (C12-C16) dimethyl benzylammonium chloride. Benzalkonium chloride.	0.25	X		

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR and HazCom 2012.

16. Other information

Date: 2020-03-25

Version: 1

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