



VAPCO PRODUCTS, INC.

Safety Data Sheet Ice Machine Sanitizer

SECTION 1: Identification

GHS Product identifier

Product name	Ice Machine Sanitizer
Product number	IMS-16OZ
Brand	Vapco

Recommended use of the chemical and restrictions on use
One-Step Sanitizer

Supplier's details

Name	Vapco Products, Inc.
Address	401 Marshall Road Valley Park, Missouri 63088 United States
Telephone	(636) 923-2121
Fax	(636) 923-3002
email	info@VapcoProducts.com

Emergency phone number

(800) 255-3924

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 2

GHS label elements, including precautionary statements

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Pictogram



Signal word

Danger

Hazard statement(s)

H315

Causes skin irritation

H318

Causes serious eye damage

Precautionary statement(s)

P264

Wash hands and other exposed areas thoroughly after handling.

P280

Wear eye protection/face protection/protective gloves.

P302+P352

IF ON SKIN: Wash with plenty of water.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor if exposed or concerned.

P321

Specific treatment (see First Aid on this label).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Alkyl C12-16 Dimethylbenzyl Ammonium Chloride

Concentration 1.25 % (weight)

EC no. 270-325-2

CAS no. 68424-85-1

2. Didecyldimonium Chloride

Concentration 2.31 % (weight)

EC no. 230-525-2

CAS no. 7173-51-5

Index no. 612-131-00-6

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

If inhaled

First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice/attention.

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In case of skin contact	Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing immediately. Obtain medical attention if irritation develops or persists.
In case of eye contact	Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most important symptoms/effects, acute and delayed

Acute Health Hazards: Causes skin irritation and severe eye damage.

Chronic Health Hazards: None known.

Note to Physician: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Indication of immediate medical attention and special treatment needed, if necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Dry chemical, foam, or carbon dioxide (CO₂).

Specific hazards arising from the chemical

Reactivity: May be reactive to strong oxidizing agents and reducing agents.

Special protective actions for fire-fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use dry chemical, foam, or carbon dioxide (CO₂). Do not breathe fumes from fire or vapors from decomposition. Do NOT fight fire when fire reaches containers. Evacuate area. Fight fire remotely due to the risk of explosion. Shut off all sources of ignition. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear NIOSH-approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Hazardous Combustion Products: Oxides of carbon.

Further information

Do not allow run-off from fire fighting to enter drain or water courses.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapors, spray, mist, gas. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

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Emergency Procedure: Eliminate ignition source first, then ventilate the area. Evacuate unnecessary personnel, isolate, and ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental precautions

Prevent entry into sewers and public waters. Avoid release to the environment.

Methods and materials for containment and cleaning up

For Containment: Ventilate area. Contain any spills with dikes or absorbents to prevent further migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Ventilate area. Stop the ignition source of the release, if safe to do so. Consider the use of water spray to disperse vapors. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Take up liquid spill into absorbent material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Waste Disposal: Dispose of in accordance with local, regional, national, and international regulations. Containers may be hazardous when empty. Do not flame cut, braze, or weld.

RCRA Status: Waste likely considered non-hazardous under RCRA; however, product should be fully characterized prior to disposal (40 CFR 261).

Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

Precautions for safe handling

Additional Hazards When Processed: Do not pressurize, cut, or weld containers. Ruptured cylinders may rocket. Pressurized container: May burst if heated. Do not pierce or burn, even after use.

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Do not breathe gas, mist, spray, vapors. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not spray on open flame or other ignition source.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Do not store near food, drink, or animal food.

Other Precautions: Keep out of reach of children. Follow label instructions. Vapors may collect in low lying area.

Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store in a dry, cool place. Keep only in the original container in a cool, well-ventilated place away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong oxidizing agents and reducing agents.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Use only outdoors or in well-ventilated area. Ensure

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all local, regional, national, and international regulations are observed. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Chemical safety goggles. Insufficient ventilation: wear respiratory protection. Respiratory protection of the dependent type.

Skin protection

Wear protective gloves and clothing.

Body protection

Wear suitable protective clothing. Wear protective gloves. Chemical resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Respiratory protection

Use a NIOSH-approved Self-Containing Breathing Apparatus whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Color	Colorless
Odor	Solvent odor
Odor threshold	Not established
Melting point/freezing point	N/D
Boiling point or initial boiling point and boiling range	> 212°F (100°C)
Flammability	Not considered a flammable liquid by OSHA (29 CFR 1910.1200)
Lower and upper explosion limit/flammability limit	N/D
Flash point	> 200°F (93.34 °C)
Auto-ignition temperature	N/D
Decomposition temperature	N/D
pH	6-8
Kinematic viscosity	N/D
Solubility	Completely soluble in water
Partition coefficient n-octanol/water (log value)	N/D
Vapor pressure	760 mmHg
Evaporation rate	< 1
Density and/or relative density	1.01
Relative vapor density	1

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Particle characteristics

Volatile Organic Compounds: 0%

SECTION 10: Stability and reactivity

Reactivity

Stable under recommended storage conditions.

Chemical stability

Stable.

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong oxidizing agents and reducing agents.

Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Didecyldimethylammonium chloride

LD50 Oral - Rat - 84 mg/kg

LD50 Skin - Rat - 84 mg/kg

LC50 - Brachydanio rerio (zebrafish) - 0.49 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 0.094 mg/l - 48 h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

LD50 Oral - Rat - 344 mg/kg

LD50 Skin - Rabbit - 3340 mg/kg

Skin corrosion/irritation

Causes irritation.

Serious eye damage/irritation

Causes severe irritation, burning, redness, tearing, pain.

Respiratory or skin sensitization

May cause slight irritation.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

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Reproductive toxicity

Not classified.

STOT-single exposure

Causes skin irritation and severe eye damage.

STOT-repeated exposure

None known.

Aspiration hazard

May cause slight irritation.

SECTION 12: Ecological information

Toxicity

Didecyldimethylammonium chloride

LD50 Oral - Rat - 84 mg/kg

LD50 Skin - Rat - 84 mg/kg

LC50 - Brachydanio rerio (zebrafish) - 0.49 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 0.094 mg/l - 48 h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

LD50 Oral - Rat - 344 mg/kg

LD50 Skin - Rabbit - 3340 mg/kg

Persistence and degradability

This product is biodegradable.

Bioaccumulative potential

This product is not expected to bioaccumulate.

Mobility in soil

This product is mobile in soil.

Other adverse effects

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations. Do not pierce or burn, even after use.

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Waste treatment

RCRA Status: Waste likely considered non-hazardous under RCRA; however, product should be fully characterized prior to disposal (40 CFR 261).

Sewage disposal

Avoid release into the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Other disposal recommendations

Container may remain hazardous when empty. Continue to observe all precautions. Do not puncture or incinerate container.

SECTION 14: Transport information

DOT (US)

UN Number: N/A

Class: N/A

Packing Group: N/A

Proper Shipping Name: Cleaning Compound, n.o.s., non-regulated

IMDG

UN Number: N/A

Class: N/A

Packing Group: N/A

Proper Shipping Name: Cleaning Compound, n.o.s., non-regulated

IATA

UN Number: N/A

Class: N/A

Packing Group: N/A

Proper Shipping Name: Cleaning Compound, n.o.s., non-regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Domestic Substances List (DSL)

Chemical name: Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides

CAS: 85409-22-9

Chemical name: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

CAS: 68424-85-1

Chemical name: Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

CAS: 63449-41-2

Chemical name: 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride

CAS: 7173-51-5

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Environmental Protection Agency (EPA)

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Harmful if swallowed. Remove contaminated clothing and wash before reuse.
EPA Reg. No. 47371-147-44446

SARA 311/312 Hazards

Acute Health Hazard

Toxic Substances Control Act (TSCA) Inventory

All chemicals are listed or exempt.

SECTION 16: Other information

N/A = Not applicable; N/D = Not determined

Further information/disclaimer

To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.

Preparation information

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