



VAPCO PRODUCTS, INC.

Safety Data Sheet

Sani-Pan Strips

SECTION 1: Identification

1.1 GHS Product identifier

Product name Sani-Pan Strips

Product number SPS-XT
Brand Vapco

1.3 Recommended use of the chemical and restrictions on use

HVAC/R drain treatment

1.4 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

1.5 Emergency phone number

Company Phone Number: (321) 984-4423
Emergency Telephone (24 hr.): INFOTRAC (352) 323-3500 (International)
(800) 535-5053 (North America)

SECTION 2: Hazard identification

General hazard statement

EMERGENCY OVERVIEW: This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information. The product contains no substances which, at their given concentration, are considered to be hazardous to health.

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2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Didecyl dimethyl ammonium chloride

Concentration	1 - 10 % (weight)
EC no.	230-525-2
CAS no.	7173-51-5
Index no.	612-131-00-6

2. n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride

Concentration	1 - 10 % (weight)
CAS no.	68424-85-1

3. Ethanol

Concentration	< 5 % (weight)
EC no.	200-578-6
CAS no.	64-17-5
Index no.	603-002-00-5

Trade secret statement (OSHA 1910.1200(i))

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 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

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buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice/attention.

In case of skin contact

Immediately drench affected area with water for at least 15-20 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 15-20 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. Drink promptly a large quantity of milk, egg whites, gelatin solution; or if they are not available, drink large quantities of water. Obtain medical attention.

4.2 Most important symptoms/effects, acute and delayed

Can cause irreversible eye damage. May irritate or burn sensitive skin. May irritate or burn tissue of gastrointestinal tract.

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

Probable mucosal damage may contraindicate the use of gastric lavage. 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

5.1 Suitable extinguishing media

Water spray (fog).

5.2 Specific hazards arising from the chemical

Not determined.

5.3 Special protective actions for fire-fighters

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

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.

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.

Hazardous Combustion Products: Carbon oxide(s).

SECTION 6: Accidental release measures

6.1 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 sources 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.

6.2 Environmental precautions

See Section 12 for additional Ecological Information.

6.3 Methods and materials for containment and cleaning up

For Containment: Ventilate the 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. 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

7.1 Precautions for safe handling

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.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Other Precautions: Keep out of reach of children. Follow label instructions.

7.2 Conditions for safe storage, including any incompatibilities

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.

Incompatible Materials: None known based on information supplied.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Ethanol (CAS: 64-17-5)

TWA [Ethyl alcohol] (Inhalation): 1000 ppm; 1880 mg/m³; AU (AU/SWA)

PEL [Ethyl alcohol (Ethanol)] (Inhalation): 1000 ppm; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Ethyl alcohol (Ethanol)] (Inhalation): 1900 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Ethyl alcohol (Ethanol)] (Inhalation): 1000 ppm; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Ethyl alcohol (Ethanol)] (Inhalation): 1000 ppm; US (NIOSH)

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OSHA Annotated Table Z-1, www.osha.gov

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

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

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

Basic physical and chemical properties

Physical state	Solid
Appearance	Yellowish, brown polymer matrix with encapsulated actives
Color	Yellowish, brown
Odor	Fresh
Odor threshold	N/D
Melting point/freezing point	0°C/32°F
Boiling point or initial boiling point and boiling range	N/A
Flammability	N/D
Lower and upper explosion limit/flammability limit	N/A
Flash point	N/A
Explosive properties	N/D
Auto-ignition temperature	N/D
Decomposition temperature	N/D
Oxidizing properties	N/D
pH	6-8
Kinematic viscosity	N/D
Solubility	Time release of actives
Partition coefficient n-octanol/water (log value)	N/D
Vapor pressure	N/D
Evaporation rate	N/A
Density and/or relative density	1

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Relative vapor density

1

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Keep out of reach of children.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Carbon oxide(s).

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

The ATE (oral) of the mixture is: 5000 mg/kg bw.

Didecyldimethylammonium chloride (7173-51-5)

LD50 Oral - Rat - 84 mg/kg

Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)

LD50 Oral - Rat - 426 mg/kg

Ethyl alcohol (64-17-5)

LD50 Oral - Rat - 7060 mg/kg

LC50 Inhalation - Rat - 124.7 mg/L - 4 hrs

Skin corrosion/irritation

Avoid contact with skin.

Serious eye damage/irritation

Avoid contact with eyes.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

No information available.

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Carcinogenicity

Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage. Group 3 IARC components are "not classifiable as human carcinogens".

Ethyl alcohol (64-17-5)

ACGIH: A3

IARC: Group 1

NTP: Known

OSHA: X

Reproductive toxicity

No information available.

Specific target organ toxicity (STOT) - single exposure

No information available.

Specific target organ toxicity (STOT) - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

Toxicity

Toxic to aquatic life with long lasting effects.

Ethyl alcohol (64-17-5)

Fish: 12.0-16.0: 96 hrs *Oncorhynchus mykiss* mL/L LC50 static 13400 - 15100: 96 hrs *Pimephales promelas* mg/L LC50 flow-through 100: 96 hrs *Pimephales promelas* mg/L LC50 static

Toxicity to microorganisms: EC50 = 34634 mg/L 30 min; EC50 = 35470 mg/L 5 min

Crustacea: 9268 - 14221: 48 hrs *Daphnia magna* mg/L LC50 2: 48 hrs *Daphnia magna* mg/L EC50 Static 10800: 24 hrs *Daphnia magna* mg/L EC50

Persistence and degradability

Not determined.

Bioaccumulative potential

Not determined.

Mobility in soil

Ethyl alcohol (64-17-5)

Partition Coefficient: -0.32

Other adverse effects

Not determined.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

This product may be disposed of in everyday trash.

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Packaging disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: DENATURED ALCOHOL

CAS number: 64-17-5

New Jersey Right To Know Components

Common name: ETHYL ALCOHOL

CAS number: 64-17-5

Pennsylvania Right To Know Components

Chemical name: ETHANOL

CAS number: 64-17-5

US EPA TSCA public inventory

Chemical name: Didecyl dimethyl ammonium chloride

CAS number: 7173-51-5

Chemical name: n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride

CAS number: 68424-85-1

Chemical name: Ethanol

CAS number: 64-17-5

15.2 Chemical Safety Assessment

EPA Pesticide Registration Number: EPA Reg. No. 68114-1-6381

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject 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:

EPA 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 when

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handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

HMIS Rating

Sani-Pan Strips	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

SECTION 16: Other information

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

16.1 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.

16.2 Preparation information

Prepared by: Jessica Wilson

Date prepared: 10/14/2025

