VAPCO PRODUCTS, INC.

Safety Data Sheet
No Sweat Aerosol - MeCl Free

SECTION 1: Identification

1.1 GHS Product identifier

Product name	No Sweat Aerosol - MeCl Free
Product number	NS-1
Brand	Vapco

1.3 Recommended use of the chemical and restrictions on use

Pipe insulation coating

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

(800) 255-3924

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

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

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4
- Flammable aerosols, Cat. 1
- Gases under pressure, liquefied gas

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word	**Danger**

Hazard statement(s)

H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H302	Harmful if swallowed
H332	Harmful if inhaled
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to the specifications of local, regional, national, and international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Trans-1,2-dichloroethylene

Concentration	30 - 60 % (weight)
EC no.	205-860-2
CAS no.	156-60-5
Index no.	602-026-00-3

2. Petroleum gases, liquified, sweetened, if they contain > 0.1% w/w Butadiene

Concentration	15 - 40 % (weight)
CAS no.	68476-86-8

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 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 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.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/Injuries: Harmful if inhaled. Asphyxia by lack of oxygen: risk of death. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Symptoms/Injuries After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. Inhalation is likely to cause adverse health effects including, but not limited to: irritation, difficulty breathing, and unconsciousness. In elevated concentrations, may cause asphyxiation, central nervous system effects, and increased pulse, mood changes, tremors, cyanosis, muscular weakness, narcosis, numbness of the extremities, unconsciousness and death. This product contains chlorinated solvent material, which is associated with cardiac sensitization following very high exposures or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine and catecholamines. Careful consideration should be applied preceding administration of epinephrine or similar heart-stimulating substances.
Symptoms/Injuries After Skin Contact: Contact with gas/liquid escaping the container can cause dermatitis and defatting.
Symptoms/Injuries After Eye Contact: Contact causes mild irritation with redness, tearing, and blurred vision.

4.3 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. Note to physician: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Carbon dioxide (CO2), alcohol-resistant foam, or dry chemical. Use appropriate media for surrounding fire.

5.2 Specific hazards arising from the chemical

Explosion Hazard: Container may explode in heat of fire. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

Incompatibilities: Reacts with some plastics, strong oxidizing agents, acids, and chemically active metals (e.g. aluminum, magnesium, sodium, potassium, and lithium). Increased risk of fire or explosion. Certain mixtures of chlorinated solvents may be flammable or reactive under certain conditions. Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition sources.

5.3 Special protective actions for fire-fighters

Precautionary Fire Measures: 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: Carbon oxide(s), hydrogen chloride, and phosgene.

Further information
Do not allow run-off from fire fighting to enter drains or water courses.

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.
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

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

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

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.

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

7.2 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: Reacts with some plastics, strong oxidizing agents, acids, and chemically active metals (e.g. aluminum, magnesium, sodium, potassium, and lithium). Increased risk of fire or explosion. Certain mixtures of chlorinated solvents may be flammable or reactive under certain conditions. Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition sources.

Storage Temperature: <50°C/122°F.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Trans-1,2-dichloroethylene (CAS: 156-60-5 EC: 205-860-2)
TWA: 200 ppm; USA (ACGIH)

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 and safety characteristics

Basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol spray
Color	Colorless
Odor	Chlorinated solvent odor
Odor threshold	N/D
Melting point/freezing point	-57°C (trans-dichloroethylene)
Boiling point or initial boiling point and boiling range	> 110°F (trans-dichloroethylene)
Flammability	Extremely flammable aerosol
Lower and upper explosion limit/flammability limit	9.7-12.8 Vol % (trans-dichloroethylene)
Flash point	42°F (trans-dichloroethylene)
Explosive properties	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Auto-ignition temperature	440°C (trans-dichloroethylene)
Decomposition temperature	N/D
pH	N/A
Kinematic viscosity	N/D
Solubility	Insoluble in water
Partition coefficient n-octanol/water (log value)	N/D
Vapor pressure	> 100 mmHg
Evaporation rate	> 2
Density and/or relative density	1.1-1.3 g/ml
Relative vapor density	N/D

Particle characteristics
N/D

Supplemental information regarding physical hazard classes
Highly flammable liquid and vapor

Further safety characteristics (supplemental)
N/D

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under normal conditions of use.

10.2 Chemical stability
Contains gas under pressure; may explode if heated. Pressurized container: may burst if heated.

10.3 Possibility of hazardous reactions
None known.

10.4 Conditions to avoid
Excessive heat. Sources of ignition.

10.5 Incompatible materials
Reacts with some plastics, strong oxidizing agents, acids, and chemically active metals (e.g. aluminum, magnesium, sodium, potassium, and lithium). Increased risk of fire or explosion. Certain mixtures of chlorinated solvents may be flammable or reactive under certain conditions. Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

10.6 Hazardous decomposition products
Carbon oxide(s), hydrogen chloride, and phosgene.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Trans-dichloroethylene
LD50 Oral - Rat - 1,235 mg/kg
LD50 Skin - Rabbit - 5,000 mg/kg

Skin corrosion/irritation
May cause localized defatting, dryness with prolonged or repeated contact.

Serious eye damage/irritation
Causes mild irritation, redness, burning.

Respiratory or skin sensitization
Excessive inhalation of vapors may cause irritation of nose and throat. Causes dizziness, headaches, nausea, central nervous system depression, excessive or prolonged exposure may cause unconsciousness.

Germ cell mutagenicity
Not classified.

Carcinogenicity
Not classified.

Reproductive toxicity
Not classified.

STOT-single exposure
May cause drowsiness or dizziness.

STOT-repeated exposure
Not classified.

Aspiration hazard
Not classified.

Additional information
Symptoms/Injuries: Harmful if inhaled. Asphyxia by lack of oxygen: risk of death. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Symptoms/Injuries After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. Inhalation is likely to cause adverse health effects including, but not limited to: irritation, difficulty breathing, and unconsciousness. In elevated concentrations, may cause asphyxiation, central nervous system effects, and increased pulse, mood changes, tremors, cyanosis, muscular weakness, narcosis, numbness of the extremities, unconsciousness and death. This product contains chlorinated solvent material, which is associated with cardiac sensitization following very high exposures or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine and catecholamines. Careful consideration should be applied preceding administration of epinephrine or similar heart-stimulating substances.
Symptoms/Injuries After Skin Contact: Contact with gas/liquid escaping the container can cause dermatitis and defatting.
Symptoms/Injuries After Eye Contact: Contact causes mild irritation with redness, tearing, and blurred vision.

SECTION 12: Ecological information

Toxicity
Trans-dichloroethylene
LD50 Oral - Rat - 1,235 mg/kg
LD50 Skin - Rabbit - 5,000 mg/kg
LC50 - Lepomis macrochirus - 135 mg/l - 96 h

Persistence and degradability
Component or components of this product are not biodegradable.

Bioaccumulative potential
Log Pow - 1.48 (Trans-dichloroethylene)

Mobility in soil
This product is mobile in soil.

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.

Waste treatment
This material, as supplied, is hazardous waste according to federal regulations (U.S. EPA 40CFR 261). Dispose of in accordance with federal, state, and local regulations.

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. Product should be fully characterized prior to disposal.

SECTION 14: Transport information

DOT (US)
UN Number: UN1950
Class: 2.1
Packing Group: N/A
Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

IMDG
UN Number: UN1950
Class: 2.1
Packing Group: N/A
EMS Number: N/A
Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

IATA
UN Number: UN1950
Class: 2.1
Packing Group: N/A
Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

SECTION 15: Regulatory information

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

California Prop. 65 Components
This product does not contain any substances known to the State of California to cause cancer and/or reproductive harm.

Canadian Domestic Substances List (DSL)
Chemical name: Trans-1,2-dichloroethylene
CAS number: 156-60-5

Massachusetts Right To Know Components
Chemical name: Trans-1,2-dichloroethylene
CAS number: 156-60-5

Pennsylvania Right To Know Components
Chemical name: Trans-1,2-dichloroethylene
CAS number: 156-60-5

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard, Fire Hazard, Sudden Release of Pressure Hazard, Aquatic Hazard

SARA 313 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

Toxic Substances Control Act (TSCA) Inventory
All chemicals are listed or exempt.

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: 12/10/2024