



VAPCO PRODUCTS, INC.

## Safety Data Sheet Arctic Protection

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### SECTION 1: Identification

#### GHS Product identifier

Product name	Arctic Protection
Product number	AP-1, AP-5, AP-55, AP-275
Brand	Vapco

#### Recommended use of the chemical and restrictions on use

Propylene Glycol Based Antifreeze

#### 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

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### SECTION 2: Hazard identification

#### Classification of the substance or mixture

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

Not a hazardous substance or mixture.

#### GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

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### Other hazards which do not result in classification

Not a hazardous substance or mixture.

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## SECTION 3: Composition/information on ingredients

### Mixtures

Does not contain any hazardous ingredients at or above reportable levels as defined by OSHA (29 CFR 1910.1200).

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## 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.
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:** None known.

**Chronic Health Hazards:** None known.

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

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Water or water fog. Use appropriate media for surrounding fire.

### Specific hazards arising from the chemical

None known.

### 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 (CO<sub>2</sub>). 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.

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**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:** None known.

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### 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.

**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.

#### 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.

#### Reference to other sections

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

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### SECTION 7: Handling and storage

#### Precautions for safe handling

**Additional Hazards When Processed:** Do not pressurize, cut, or weld containers. 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 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. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

**Incompatibility:** None known.

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### 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 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	Various
Odor	No distinct odor
Odor threshold	N/D
Melting point/freezing point	360°F (182°C)/ -76°F (-60°C)
Boiling point or initial boiling point and boiling range	N/D
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°C)
Explosive properties	N/D
Auto-ignition temperature	700°F (371°C)
Decomposition temperature	N/D
Oxidizing properties	N/D
pH	9.5-10.5
Kinematic viscosity	45 mPas at 20°C (68°F)
Solubility	Completely soluble in water
Partition coefficient n-octanol/water (log value)	N/D

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Vapor pressure	<0.1 mmHg at 20°C
Evaporation rate	<0.8 (Slow)
Density and/or relative density	1.05
Relative vapor density	2.6 (Air=1)

### Particle characteristics

N/D

### Supplemental information regarding physical hazard classes

N/D

### Further safety characteristics (supplemental)

Density: 8.757 lb/gal at 68°F (20°C)

Volatile Organic Compounds: 0%

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## SECTION 10: Stability and reactivity

### Reactivity

None known.

### Chemical stability

Stable under normal conditions of use.

### Possibility of hazardous reactions

None known.

### Conditions to avoid

Extreme hot or cold temperatures.

### Incompatible materials

None known.

### Hazardous decomposition products

None known.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not established.

#### Skin corrosion/irritation

Not established.

#### Serious eye damage/irritation

May cause irritation.

#### Respiratory or skin sensitization

Not established.

#### Germ cell mutagenicity

Not classified.

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### **Carcinogenicity**

Not classified.

### **Reproductive toxicity**

Not classified.

### **STOT-single exposure**

Not classified.

### **STOT-repeated exposure**

Not classified.

### **Aspiration hazard**

Not established.

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## SECTION 12: Ecological information

### **Toxicity**

Not established.

### **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.

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## 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.

#### **Other disposal recommendations**

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

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## SECTION 14: Transport information

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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### 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.

##### SARA 302 Components

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

##### SARA 311/312 Hazards

No SARA Hazards

##### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### Toxic Substances Control Act (TSCA) Inventory

All chemicals are listed or exempt.

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### 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

Prepared by: Jessica Wilson

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