

VAPCO PRODUCTS DIV.
401 Marshall Road
Valley Park, MO 63088

ARCTIC PROTECTION

HMIS: 1-0-0

NFPA: 1-0-0

For Customer Service call: (636) 923.2121
Emergency Telephone: (800) 255-3924

Data Sheet: 145
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens, are identified with an asterisk (*) in this Section.

<u>Ingredient(s)</u>	<u>Exposure Limits</u>	<u>Percent</u>	<u>Note</u>
Propylene Glycol		70-80%	
Inhibitor		1-5%	

SECTION 3: HAZARDS IDENTIFICATION

Permissible Exposure Limits: Not established for this product. See Section 1 for Component PELs and TLVs.

Effects of Acute Overexposure:

Eyes: May cause slight eye irritation.

Skin: Exposure is not known to cause adverse health affects.

Breathing: Exposure is not known to cause adverse health effects.

Swallowing: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Primary Route(s) of Entry: Skin contact, eye contact, and inhalation.

Effects of Chronic Overexposure: The components in this material are not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH. No chronic health effects are expected from normal use.

Medical Conditions Aggravated by Exposure: None at this time.

SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with water for at least 20-30 minutes. Retract eyelids often. Seek medical attention if pain, blinking, tears or redness persist.

Skin: Not expected medical attention to be required. However, per good industrial hygiene practices, wash exposed area with large amounts of soap and water. If irritation appears and persists, get medical attention.

Breathing: Not expected to be required. However, per good industrial hygiene practices, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped, give artificial respiration. Keep person warm, quiet and get immediate medical attention.

Swallowing: Do not induce vomiting. Get medical attention. If individual is conscious and alert, rinse mouth with water. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: >211°F by TCC (component)

Explosive Limit: -17.4%

Extinguishing Media: Alcohol type Foam, CO₂, dry chemical, and water.

Hazardous Decomposition Products: None.

Fire Fighting Procedures: Wear proper protection. See "decomposition products possible." Fight fire from safe distance/protection location. Heat may build pressure/rupture closed containers, spreading fire. Increasing risk of burns/injuries. Use water spray/ fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although soluble. May not be practical to extinguish fire by water dilution. Notify authorities if liquid enters sewer/public water.

Special Fire and Explosion Hazards: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb liquid with inert solids. Appropriate personal protective equipment should be worn.

Large Spill: Only personnel trained in spill clean-up under 29 CFR 1910.120 should be involved with spill clean-up procedures. Prevent material from entering drains, sewers, streams, or other bodies of water. Restrict water use for cleanup, slippery walking. spread granular cover. Prevent from spreading. If run-off occurs notify appropriate authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product on absorbency materials. Transfer contaminated absorbent and other materials to container for neutralization. Neutralize spilled material. Follow Local, State, and Federal regulations for proper disposal.

SECTION 7: HANDLING AND STORAGE

Minimize temperature extremes. Keep containers closed when not in use. Do not transfer to unmarked containers. Loosen closure carefully. Hygroscopic, use dry nitrogen or low dew point air for tank padding. Keep drums tightly closed to prevent contamination. Store at 65-90 degrees Fahrenheit

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Not required under normal conditions with adequate amount of ventilation.

Ventilation: Provide adequate ventilation.

Protective Gloves: Recommended.

Eye Protection: Safety Glasses recommended.

Other Protective Equipment: Not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	260°F	Specific Gravity	Approximately 1
Vapor Pressure	0.1 mmHg @	Percent Volatiles	Slightly Volatile
Vapor Density Ether	2.6 (Air = 1)	Evaporation Rate	Not Applicable Slower than
Solubility In Water	Complete	Appearance	Light Blue, Slightly visible
pH	Not available		

SECTION 10: STABILITY AND REACTIVITY

Hazardous Polymerization: Can not occur. **Stability:** Stable.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and other harmful gases/vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

No data available at this time.

SECTION 12: ECOLOGICAL INFORMATION

No data available at this time.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State, and Federal Regulations. It is not anticipated that this product meets the criteria as a RCRA characteristic waste if discarded in its purchased form. However, testing will be required to determine waste characterization on any unused portion of the product.

SECTION 14: TRANSPORTATION INFORMATION

DOT Hazard Classification: Not required

SECTION 15: REGULATORY INFORMATION

SARA Title III, Section 313 chemicals: None Known.

SARA Title III, Section 312 Health -- Acute (Yes) Chronic (No) Fire (No) Reactivity (No). Proposition 65: No

SECTION 16: OTHER INFORMATION

Containers used to transport and store this material may be hazardous when emptied. Residue (Vapor, Liquid, and/or Solid) may be present in the emptied container. All hazard precautionary measures should be followed.

The information accumulated and reflected in this Material Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of MSDS