

MATERIAL SAFETY DATA SHEET

SECTION I: MANUFACTURER

Manufacturer:	VaporGauge, Inc. 10851 Bloomfield Street Los Alamitos, CA 90720	
Product Name:	VCP-1000	
Emergency Telephone Number:	CHEMTREC	(800) 424-9300
Telephone Number for Information:	VAPORGAUGE	(714) 763-0510

SECTION II: COMPOSITION

Component Ingredients VCP PART A	C.A.S. Number	Weight Percentage	Exposure ACGIH-TLV	Exposure OSHA-PEL
Oxirane	25085-99-8	Trace	NE	NE
Alkyl Glycidyl Ether	68609-97-2	Minor	NE	NE
Component Ingredients VCP PART B	C.A.S. Number	Weight Percentage	Exposure ACGIH-TLV	Exposure OSHA-PEL
Polyethylene Amine Adduct	Proprietary	Minor	NE	NE
Polyethylene Polyamine Isomers	111-40-0 112-24-3 112-57-2	Minor	1 ppm	1 ppm
Propoxyethanol	2807-30-9	Minor	NE	NE
Acetic Acid	64-19-7	Trace	10 ppm	10 ppm
TiO ₂ Rutile Dispersion (Photoactive Catalyst)	13463-67-7	Trace	10 mg/m ³	15 mg/m ³

SECTION III – PHYSICAL & CHEMICAL PROPERTIES

Product Class:	Water-reducible coating		
Vapor Pressure, mmHg at 20° C:	N/A	Vapor Density (air = 1) :	<1
Melting point or range, degrees F:	N/A	Specific Gravity:	1.251
Boiling point or range, degrees F:	N/A	Solubility in water:	Diluted
Evaporation rate (butyl acetate = 1) :	<1		

Appearance and order: This product is a milky, white liquid with slight ammonia odor.

SECTION IV – FIRE AND EXPLOSION PRECAUTIONS

Flash Point, degrees F:	No flash point – product is not flammable.
Auto ignition temperature, degrees F:	N/A
Flammable limits in air, volume %:	N/A

Fire extinguishing materials:	Use water, spray, carbon dioxide, foam, or dry chemical.
Special firefighting procedures:	Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flames.
Unusual fire and explosion hazards:	Closed containers exposed to heat may rupture due to pressure build up.

SECTION V – HEALTH HAZARDS IDENTIFICATION

Symptoms of overexposure for each potential route of exposure:

Inhalation:	High concentrations of vapors or aerosols may cause nausea and irritation of the nose, throat and respiratory tract.
Skin or eye contact:	This product is not expected to be skin irritant. Direct eye contact with the liquid may cause stinging, tearing and redness.
Skin absorption:	Skin absorption of this material is unlikely. Wash skin with soap and water if contacted.
Swallow:	This product has a low degree of toxicity. Ingestion may cause irritation of digestive tract.

Health effects or Risks form exposure:

Acute:	None known
Chronic:	None known

Medical Conditions Aggravated by Exposure:

While aerosol concentrations are very low, respiratory symptoms with pre-existing lung disorders such as pre-existing asthma-like conditions may be aggravated by high concentration of exposure to the liquid material.

Emergency Procedures:

Inhaled:	If respiratory symptoms develop, move person to fresh air. If symptoms persist, seek immediate medical attention.
Eye or skin contact:	If irritation or redness develops, flush eye with clean water. If symptoms persist, seek medical attention. Always wash off any compound from skin.
Swallowed:	If swallowed and symptoms develop, seek immediate medical attention.
Suspected Carcinogens:	Product ingredients are not listed by Federal OSHA, NTP or IARC.

SECTION VI – STABILITY AND REACTIVITY

Hazardous polymerization:	Will not occur.
Stability:	Stable.
Conditions to avoid:	None known.
Hazardous Decomposition Products:	Combustion may yield carbon monoxide and/or dioxide.
Incompatibility:	None known.

SECTION VII – SPILL, LEAK AND DISPOSAL MEASURES

Spill response:	Spilled material maybe absorbed into an appropriate absorbent. Use impermeable gloves/clothing as needed.
Preparing waste for disposal:	Spilled material should be contained into suitable liquid holding containers. Notify appropriate state/local agencies for disposal method. Note: Always dispose of waste in accordance with federal, state and local regulations.

SECTION VIII – HANDLING AND STORAGE

Ventilation and engineering controls:	If current ventilation practices are not adequate, additional ventilation or exhaust systems may be utilized.
Work environment and hygienic practices:	Follow good hygienic practices such as washing hands and saturated clothing before wearing.
Other handling and storage requirement:	Keep product containers closed when not in use. Avoid subjecting this product to extreme temperature variations and keep from freezing.
Maintenance of contaminated equipment:	Always use prudent hygienic and handling practices. Clean up any skin contact with soap and water.

SECTION IX – EXPOSURE CONTROLS FOR PERSONAL PROTECTION

Respiratory protection:	None required. However respiratory protection may be useful in areas of high concentration and poor ventilation.
Eye protection:	Use approved eye protection to safeguard against potential eye contact, irritation or injury.
Ventilation:	Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits when using this product or any other chemical.
Gloves:	The use of impermeable gloves is advised.
Other clothing:	Impervious, expandable clothing should be worn as needed.

SECTION X – ECOLOGICAL INFORMATION

Aquatic Toxicity Rating: None.

SECTION XI – TRANSPORT INFORMATION

DOT Hazard Class: Non-combustible.

SECTION XII – REGULATORY INFORMATION

U.S. Federal Regulations:	None
State Regulations:	State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). This product is not known to contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA.
	The Cal/OSHA and Federal OSHA carcinogen lists are similar This product has no carcinogenic listings by Cal/OSHA or Federal OSHA.
International Regulations:	None

SECTION XIII – OTHER INFORMATION

Before using this product: Completely read VCP-1000 Product Data Sheet and container label.

SECTION XIV – PREPARATION

Prepared by: VaporGauge, Inc. Contact VaporGauge, Inc. for further information.