

**MATERIAL SAFETY  
DATA SHEET**

Peace Modern Town C-2408, Dalian, 116023, China  
Tel: +86-411-84377919 Fax: +86-411-84511565  
Web: [www.sibond.com](http://www.sibond.com) E-mail: info@sibond.com

NAME USED ON LABEL: VINYL DIMETHYLETHOXYSILANE  
CHEMICAL NAME: VINYL DIMETHYLETHOXYSILANE  
SYNONYMS: DIMETHYL VINYLETHOXYSILANE;  
ETHENYL DIMETHYLETHOXYSILANE  
CHEMICAL FAMILY: ORGANOSILANE  
FORMULA: C<sub>6</sub>H<sub>14</sub>OSi  
HMIS CODES HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 1

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV OSHA PEL
VINYL DIMETHYLETHOXYSILANE	5356-83-2	>95	not established

**PHYSICAL DATA**

Boiling Point: 99-100°C	Melting Point: <0°C
Specific Gravity: 0.790	Vapor Pressure: not determined
Vapor Density (air = 1): >1	Solubility in water: insoluble, reacts
% volatiles: 100	Evaporation rate (butyl acetate = 1): ~1
Molecular Weight: 130.26	Other: NA
Appearance & Color: Clear liquid, characteristic odor	

**FIRE & EXPLOSION DATA**

Flash Point, COC: 4°C (39°F) Autoignition Temp.: not determined  
Flammability Limits: not determined  
Extinguishing Media: Water spray or fog, foam, carbon dioxide, dry chemical.  
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.  
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

**ENVIRONMENTAL INFORMATION**

Spill response: Sweep material and transfer to a suitable container for disposal.  
Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

**HEALTH HAZARD DATA**

Eye Contact: Severe eye hazard. Will cause immediate or delayed severe eye irritation.  
Skin contact: May produce irritation or contact dermatitis.  
Inhalation: Inhalation may irritate the respiratory tract.

- 1 -

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number  
Sibond © 2010

Oral Toxicity: not determined  
Inhalation: not determined  
Eye Irritation: not determined

### **SUGGESTED FIRST AID**

**EYES:** In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

**SKIN:** Flush with water, then wash with soap and water.

**INHALATION:** Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

**INGESTION:** Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

### **REACTIVITY DATA**

Stability: Stable

Conditions to avoid: Store away from oxidizers. On contact with water and moisture liberates ethanol.

Hazardous decomposition products: Ethanol, organic acid vapors and silicon dioxide.

### **SPECIAL PROTECTION INFORMATION**

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

### **OTHER PRECAUTIONS**

For research and industrial use only.

Storage and Handling: Store in sealed containers.

Containers require grounding during use.

### **TRANSPORTATION**

DOT SHIPPING NAME: FLAMMABLE LIQUID, NOS  
(VINYL DIMETHYLETHOXY SILANE)

DOT HAZARD CLASS: FLAMMABLE LIQUID

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN 1993 PG: II

The information contained in this document has been gathered from reference materials and/or Sibond test data and is to the best knowledge and belief of Sibond accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Sibond makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.

- 2 -

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number  
Sibond © 2010