

MATERIAL SAFETY DATA SHEETDate Updated: 30.12.2003
Version: 2.1**ORGANOSILANE VTO******** SECTION 1—PRODUCT AND COMPANY IDENTIFICATION******

Product name: Organosilane VTO, 95%
Chemical name: VINYLTRIS(METHYLETHYLKETOXIMINO)SILANE
Formula: C14H27N3O3Si
Hmis Codes Health: 2 Flammability: 2 Reactivity: 1
Company name: Dalian Onichem Co., Ltd.
18-220, No. 2 Gaoxin Street, Qixianling, Dalian 116023, P.R. China
Tel: 86-411-84794022, Fax: 86-411-84794077
Emergency telephone number: CHEMTREC (24 hours) 800-424-9300

****** SECTION 2—COMPOSITION / INFORMATION ON INGREDIENTS ******

Chemical Name	CAS NO.	%	TLV
VINYLTRIS(METHYLETHYLKETOXIMINO)SILANE	2224-33-1	>95	not determined

****** SECTION 3—PHYSICAL AND CHEMICAL PROPERTIES ******

Appearance & Color: Clear to straw liquid with mild odor
Boiling Point: 113°C at 0.1mm Hg Freezing Point: -22°C
Specific Gravity: 0.982 Vapor Pressure not determined
Vapor Density: not determined Solubility in water: insoluble
% volatiles: N/A Evaporation rate: N/A
Molecular Weight: 313.47 Other: N/A

****** SECTION 4—FIRE & EXPLOSION DATA ******

Flash Point, COC: 90°C (194 °F) Autoignition Temp.: N/A
Flammability Limits- LEL: N/A UEL: N/A
Extinguishing Media: Water spray, 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.

****** SECTION 5—ENVIRONMENTAL INFORMATION ******

Spill response:
Cover spill with absorbent material. Transfer to a suitable container for disposal.
Recommended Disposal:
May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

****** SECTION 6—HEALTH HAZARD DATA ******

Eye Contact: May cause immediate or delayed severe eye irritation.
Skin contact: May produce irritation which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.
Inhalation: Inhalation of vapors may irritate the respiratory tract.
Oral Toxicity: Not determined.
Chronic Toxicity: There are no known chronic effects related to this compound.

****** SECTION 7—SUGGESTED FIRST AID ******

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

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

INHALATION: Move exposed individual to fresh air. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

****** SECTION 8 –REACTIVITY DATA ******

Stability: Stable in sealed containers. Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Oxidizers, peroxides, strong acids.

Hazardous decomposition products: Organic Acid Vapors.

****** SECTION 9 –SPECIAL PROTECTION INFORMATION ******

Ventilation: Local exhaust is recommended. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor respirator.

Eye and Face Protection: Chemical worker 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.

****** SECTION 10 –OTHER PRECAUTIONS ******

For research and industrial use only.

Storage and Handling: Store in sealed containers.

****** SECTION 11 –TRANSPORTATION INFORMATION ******

DOT SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S.

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

****** SECTION 12 - ADDITIONAL INFORMATION ******

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.