



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Vinyltrimethoxysilane

CAS NO.: 2768-02-7

Manufacturer: Shandong Wanda Organosilicon New Materials Co.,Ltd.

Xizhou, Qufu, Shandong,, China

For more information call (Monday-Friday, 8:30am-5:30pm): 86-021-54177116

In case of emergency call (24 Hours/Day, 7 Days/Week): 86-0537-4631478

2. COMPOSITION, INFORMATION ON INGREDIENTS:

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
2768-02-7	Vinyltrimethoxysilane	98%	220-449-8	XI	10

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

Flammable. Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

4. FIRST AID MEASURES:

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes..

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

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Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

5. FIRE FIGHTING MEASURES:

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Flammable liquid and vapor. Contact with water liberates highly flammable gases.

Extinguishing Media: Use dry chemical, carbon dioxide, or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Use water spray to reduce vapors, do not put water directly on leak, spill area or inside container.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Keep away from heat, sparks and flame.

Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Storage under a nitrogen blanket has been recommended. Store protected from moisture.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

Personal Protective Equipment:

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

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Physical State: Liquid
Color: clear colorless
Odor: None reported.
pH: Not available.
Vapor Pressure: Not available
Viscosity: 0.6 cSt 25.00 deg C
Boiling Point: 123 deg C @ 760.00 mmHg
Freezing/Melting Point: Not available.
Autoignition Temperature: 230 deg C (446.00 deg F)
Flash Point: 22 deg C (71.60 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: Reacts
Specific Gravity/Density: 0.9718g/cm³
Molecular Formula: C₅H₁₂O₃Si
Molecular Weight: 148.24

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal temperatures and pressures. Material generates methanol on contact with water or moisture on the skin, eyes and mucous membranes.

Incompatibilities with Other Materials: Strong oxidizing agents, strong acids, strong bases, water.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, silicon dioxide, methanol.

11. TOXICOLOGICAL INFORMATION:

RTECS#:

CAS# 2768-02-7: VV6770000

LD50/LC50:

CAS# 2768-02-7: Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 500 mg/24H Mild; Inhalation, rat: LC50 = 2773 ppm; Oral, rat: LD50 = 7340 uL/kg; Skin, rabbit: LD50 = 3360 uL/kg.

Carcinogenicity:

Silane, ethenyltrimethoxy- -

Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION:

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Ecotoxicity: No data available. No information available.

Environmental: No information available.

Physical: No information available.

Other: Do not empty into drains.

13. DISPOSAL CONSIDERATIONS:

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION:

Hazard Class:	3
UN Number:	UN1993
Packing Group:	II

15. REGULATORY INFORMATION:

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 10 Flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 2768-02-7: 1

Canada

CAS# 2768-02-7 is listed on Canada's DSL List.

CAS# 2768-02-7 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 2768-02-7 is listed on the TSCA inventory.

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16. ADDITIONAL INFORMATION:

MSDS Issue Date: 05/08/2010 Revision #0 Date: Original.

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 the company 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 the company has been advised of the possibility of such damages.

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