



杭州大阳化工有限公司  
Hangzhou Dayangchem Co., Ltd.

## Safety Data Sheet

No :M-15222

### Section 1 - Product and Company Identification

**MSDS Name:** 3-Isocyanatopropyltrimethoxysilane

**Synonyms:** Silane, (3-isocyanatopropyl)trimethoxy-

**Company Identification:** Hangzhou Dayangchem Co., Ltd.

**For information, call:** 86-571-88938639

**For information, E-mail:** infores@chinadayangchem.com

**Emergency Number:** 86-571-88938639

**For CHEMTREC assistance, call:** 86-571-88938639; FAX:86-571-88938652

### Section 2 – Hazards Identification

#### Classification of the substance or mixture

According to Regulation (EC) No 1272/2008

Acute Tox. 4

Skin Corr. 1B

Acute Tox. 1

#### Label elements

Pictogram



Signal word      Danger

**Hazard statement(s)**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Other hazards**-none

### Section 3 – Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#
15396-00-6	3-Isocyanatopropyltrimethoxysilane	98+	239-415-9

### Section 4 - First Aid Measures

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

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

**Ingestion:** Get medical aid immediately. Wash mouth out with water.

**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.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 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.

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

## Section 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.

## Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** liquid.

**Color:** colorless to light yellow.

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** 0.272mmHg at 25°C

**Viscosity:** Not available.

**Boiling Point:** 95-98°C 10mm

**Freezing/Melting Point:** <0°C

**Autoignition Temperature:** Not available.

**Flash Point:** >72°C

**Explosion Limits:Lower:** Not available.

**Explosion Limits Upper:** Not available.

**Decomposition Temperature:** Not available.

**Solubility in water:** Not available.

**Specific Gravity/Density:** 0.9990~1.0500 g/cm<sup>3</sup>/25°C

**Bulk density (kg/m<sup>3</sup>):** Not available.

**Molecular Formula:** C<sub>7</sub>H<sub>15</sub>NO<sub>4</sub>Si

**Molecular Weight:** 205.2838

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Silicon oxide

## Section 11 - Toxicological Information

**RTECS#:** CAS#15396-00-6: None listed

**LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** 3-Isocyanatopropyltrimethoxysilane - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Potential health effects**

**Inhalation** Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Ingestion** Toxic if swallowed. Causes burns.

**Skin** May be harmful if absorbed through skin. Causes skin burns.

**Eyes** Causes eye burns.

**Section 12 - Ecological Information**

Not available.

**Section 13 - Disposal Considerations**

**Product:** Observe all federal, state, and local environmental regulations.

**Contaminated packaging:** Dispose of as unused product.

**Section 14 - Transport Information**

	<b>IMO</b>	<b>RID/ADR</b>	<b>IATA</b>
<b>Shipping Name:</b>	Not available.	Not available.	Not available.
<b>Hazard Class:</b>	6.1	6.1	6.1
<b>UN Number:</b>	2927	2927	2927

<b>Packing Group:</b>	II	II	II
<b>marine pollutant:</b> Not available.			
<b>other applicable information:</b> Not available.			

## Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

## Section 16 - Other Information

**SDS Creation Date:** 23/09/2011

**Revision #1 Date:** 15/06/2012

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