

## MATERIAL SAFETY DATA SHEET (MSDS) of SCA-Y25M

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY		
1.1	<b>Production</b>	SCA-Y25M SILANE
1.2	<b>Generic Description:</b>	Isocyanato silane
1.3	<b>Profile:</b>	Health
1.4	<b>IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY</b>	
	<b>Manufacturer:</b>	Nanjing Capatue Chemical Co., Ltd
	<b>Address:</b>	No. 20 JiangJun Avenue, Jiangning Development Zone, Nanjing, Jiangsu Province, P. R. China P.C: 211100
	<b>Telephone:</b>	(0086-25)-86371193 Fax: (0086-25) 86371191
	<b>24Hour Emergency Telephone:</b>	(0086-25)-86371192
	<b>Connect with:</b>	Anhuanbu

2. HAZARDS IDENTIFICATION	
<b><u>Hazards</u></b>	Vapors form explosive mixtures with air: indoors, outdoors, and sewers explosion hazards. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Substance will react with water (some violently) releasing flammable, toxic or corrosive gases and runoff.
<b><u>Prolonged/Repeated Exposure Effects</u></b>	
<b>Eye:</b>	Causes eye irritation.
<b>Skin:</b>	Causes skin irritation. May be harmful if absorbed through the skin.
<b>Inhalation:</b>	TOXIC; inhalation, ingestion or contact (skin, eyes) with vapors, dusts or substance may cause severe injury, burns, or death. Effects may be delayed.
<b>Ingestion: Chronic:</b>	May cause irritation of the digestive tract. May be harmful if swallowed. Prolonged or repeated skin contact may cause dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
<b><u>CAS Number</u></b>	<b><u>Wt %</u></b>	<b><u>Component Name</u></b>
15396-00-6	> 97.0	Trimethoxy(3-isocyanotopropyl)silane
The above components are hazardous as defined in 29 CFR 1910.1200.		

4. FIRST AID MEASURES		
4.1	<b>Eye:</b>	Immediately flush with running water for at least 20 minutes.
4.2	<b>Skin:</b>	Remove and isolate contaminated clothing and shoes. Immediately flush with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin.
4.3	<b>Inhalation:</b>	Move victim to fresh air. Apply artificial respiration if victim is

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		not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
<b>4.4</b>	<b>Ingestion:</b>	Seek medical assistance.

### 5. FIRE FIGHTING MEASURES

<b>5.1</b>	<b>Fire Fighting:</b>	Note: Most foams will react with the material and release corrosive/toxic gases. Small Fires: carbon dioxide, dry chemical, dry sand, alcohol-resistant foam. Large Fires: Water spray, fog or alcohol-resistant foam.
<b>5.2</b>	<b>Fire Potential:</b>	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.

### 6. ACCIDENTAL RELEASE MEASURES

	<b>Spills/Leaks:</b>	ELIMINATE all ignition sources and ground all equipment used when handling the product. Do not touch spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. FOR CHLOROSILANES, use AFFF alcohol-resistant medium expansion foam to reduce vapors. DO NOT GET WATER on spilled substance or inside containers. Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain. Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal.
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### 7. HANDLING AND STORAGE

	<b>Handling:</b>	All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Untrained individuals should not handle this chemical or its container. Handling should occur in a chemical fume hood.
	<b>Storage:</b>	Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	<b>Personal Protection:</b>	Wear appropriate protective gloves, clothing and goggles.
	<b>Respirators:</b>	Wear positive pressure self-contained breathing apparatus (SCBA).

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b>	Liquid
<b>Color:</b>	Transparent clear liquid
<b>Specific Gravity @ 25°C:</b>	1.07/cm <sup>3</sup>
<b>Refractive Index:</b>	1.4265 (25 C)
<b>Boiling Point:</b>	42 - 51 (0.5 torr)
<b>Vapor Pressure @ 25°C:</b>	Not determined.
<b>Vapor Density:</b>	Not determined.
<b>pH:</b>	Not determined.
<b>Volatile Content:</b>	Not determined
<b>Flash Point :</b>	99°C (Closed Cup)
<b>Autoignition Temperature:</b>	Not determined.
<b>Flammability Limits in Air:</b>	Not determined.

**Note:** The above information is not intended for use in preparing product specifications. Contact Capatue Chemical before writing specifications.

### 10. STABILITY AND REACTIVITY

<b>10.1 Chemical Stability:</b>	No data.
<b>10.2 Combustion Products:</b>	Fire will produce irritating, corrosive and/or toxic gases.

### 11. TOXICOLOGICAL INFORMATION

Enter the body, reaches a certain amount of accumulation, can happen with body fluids and tissues biological chemistry or physics biological changes, confusing or destroy the body's normal physiological function, cause temporary or persistent pathological conditions, even life-threatening items. Through the mouth, absorb half lethal dose: solid LD50 than 500 mg/kg, liquid LD50 acuties 2000 mg/kg; The skin contact 24 h, half of the lethal dose than LD50 1000 mg/kg.

### 12. ECOLOGICAL INFORMATION

#### Environmental Fate and Distribution

Complete information is not yet available.

#### Environmental Effects

Complete information is not yet available.

#### Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

[Http://www.capatue.com](http://www.capatue.com) E-mail: [postmaster@capatue.com](mailto:postmaster@capatue.com)

Tel: 0086-25-86371192 86371193 86371194 Fax: 0086-25-86371191-0

Add: No. 20 JiangJun Avenue, Jiangning Development Zone, Nanjing, Jiangsu Province, P. R. China 211100

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<b>14.1</b>	Hazard Class:	6.1
<b>14.2</b>	UN Number	UN3080
<b>14.3</b>	Packing Group:	II

Call Capatue Chemical if additional information is required.

### 15. REGULATORY INFORMATION

Canada

NDSL - The substance is specified on the Non-domestic Substances List (refer to section 2.2.1 of the Guidelines1).

US FEDERAL

TSCA

CAS# 15396-00-6 is listed on the TSCA inventory.

### 16. OTHER INFORMATION

Prepared by: Nanjing Capatue Chemical Co., Ltd

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.