

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product Name:**

[3-(Diethylamino)propyl]trimethoxysilane

**Company Identification:**

**RUIYUAN GROUP LIMITED**

**YURUI (SHANGHAI) CHEMICAL CO.,LTD**

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## Section 2 - HAZARDS IDENTIFICATIONEMERGENCY OVERVIEW

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram

Signal word

Warning

**Hazard statement(s)**

H302

Harmful if swallowed.H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

**Precautionary statement(s)**

P261

Avoid breathing dust.

P305 + P351 + P338  
minutes.

IF IN EYES: Rinse cautiously with water for several

Remove contact lenses, if present and easy to do.  
Continue rinsing.

Supplemental Hazard Statements

None

According to European Directive 67/548/EEC as amended



**Hazard symbol(s)**

**R-phrases(s)** Harmful if swallowed.

**R22**

**R36/37/38**

Irritating to eyes, respiratory system and skin.

**S-phrases(s)**

**S26**

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

**S36/37**

Wear suitable protective clothing and gloves.

**2.3 Other hazards**

None

### Section 3 -Product Identification

**【Product Name】** [3-(Diethylamino)propyl]trimethoxysilane

**【CAS】** 41051-80-3

**【Content】** 98%min

**【Formula】** C<sub>10</sub>H<sub>25</sub>NO<sub>3</sub>Si

**【Molecular Weight】** 235.40 g/mol

**【EINECS】** 255-192-0

### Section 4- First Aid Measures

**【Eyes】** Flush eyes with plenty of water occasionally lifting the upper and lower lids. Get medical aid.

**【Skin】** Get medical aid. Flush skin with plenty of water while removing contaminated clothing and shoes.

**【Ingestion】** Get medical aid. 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.

### Section 5 - Fire Fighting Measures

**【General Information】** As in any fire, wear a self-contained breathing apparatus and full protective gear.

**【Extinguishing Media】** Use water spray, dry chemical, carbon dioxide or chemical foam.

### Section 6 - Accidental Release Measures

**【General Information】** Use proper personal protective equipment.

**【Spills/Leaks】** Vacuum or sweep up material and place into suitable disposal container.

Avoid generating dusty conditions.

## Section 7 - Handling and Storage

### **【Storage】**

Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area. Do not store in metal containers.

### **【Handling】**

Avoid breathing dust, vapor, mist or gas. Avoid contact with eyes, skin.

## Section 8 - Exposure Controls/Personal Protection

**【Engineering Controls】** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Personal Protective Equipment**

**【Eyes】** Wear chemical safety goggles.

**【Skin】** Wear appropriate protective gloves to prevent skin exposure.

**【Clothing】** Wear appropriate protective clothing to prevent skin exposure.

**【Respirators】** Wear appropriate respirators where necessary.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

**【Appearance】** Yellowish clear liquid

**【Boiling point】** 120°C 20 mm Hg (lit.)

**【Density】** 0.95 g/mL at 25 °C (lit.)

## Section 10 - Stability and Reactivity

### **【Stability】**

This product is relatively unstable under normal temperature.

### **【Incompatibilities】**

Incompatibilities with Other Materials: Strong oxidizing agents.

【Hazardous combustion or Decomposition products】 Carbon monoxide, carbon dioxide, hydrogen chloride.

## Section 11 - TOXICOLOGICAL INFORMATION

May be toxic by inhalation, in contact with skin and if swallowed.

## Section 12 - ECOLOGICAL INFORMATION

Not available.

## Section 13 - ECOLOGICAL INFORMATION

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

## Section 14 - TRANSPORT INFORMATION

Not available.

## Section 15 - REGULATORY INFORMATION

- a) **Industrial Safety and Health Act:** No data
- b) **Chemical Control Act:** No data
- c) **Dangerous Material Safety Control Act:** No Data
- d) **Wastes Management Act:** No data
- e) **Other Requirements in domestic and other countries:** No Data

## Section 16 - Additional Information

**MSDS Creation Date:** 03/28/2018

**MSDS Modify Data:** 04/30/2019

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