

# SAFETY DATA SHEET



Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)

Revision date 01-June-2020

## Section 1 - Identification of the material and supplier

### 1.1 Product identifier

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)  
Product Number SICOSIL®SICO-A1161  
CAS No. 23779-32-0

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: industrial use

Uses advised against: Not for food, drug, pesticide or biocidal product use

### 1.3 Details of the supplier of the safety data sheet

Manufacturer: Sico Performance Material (Shandong) Co., Ltd  
Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China  
Telephone: +86 537 8010989  
Fax: +86 537 8010989  
E-Mail: info@silanechem.com

### 1.4 Emergency telephone number

Emergency response service: +86 537 8017875

## Section 2 - Hazards identification

### 2.1 Classification of the substance or mixture

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

Flammable liquid(Category 2), H225

Acute Toxicity (Inhalation - vapor) (Category 3), H331

Carcinogenicity (Category 1B), H350

Specific Target Organ Toxicity (Single Exposure)(Category 1), H370

### 2.2 Label elements

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

Pictogram



Signal word : Danger

### Hazard statement(s)

H225 Highly flammable liquid and vapour.

H331 Toxic if inhaled.

H350 May cause cancer

**Sico Performance Material (Shandong) Co., Ltd**

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: www.sicosil.com Email: sales@silanechem.com

# SAFETY DATA SHEET



Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)

Revision date 01-June-2020

H370 Causes damage to organs

## Precautionary statement(s)

P201 Obtain special instructions before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/ face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P370+P378 In case of fire: Use to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

## 2.3 Other hazards - none

## Section 3 - Composition/information on ingredients

### 3.1 Substances

Formula  $C_{10}H_{24}N_2O_4Si$   
Molecular Weight 264.40 g/mol

Component	CAS No.	EC No.	Concentration
3-Ureidopropyltriethoxysilane	23779-32-0	245-876-7	-
METHANOL	67-56-1	200-659-6	50%

### 3.2 Mixtures

Not Relevant

## Section 4 -First-aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

#### In case of skin contact

---

### Sico Performance Material (Shandong) Co., Ltd

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: www.sicosil.com

Email: sales@silanechem.com

# SAFETY DATA SHEET



Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)

Revision date 01-June-2020

Wash off with soap and plenty of water. Consult a physician.

## **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

## **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## **Section 5 - Firefighting Measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides, silicon oxides

### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **5.4 Further information**

Use water spray to cool unopened containers.

## **Section 6 - Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### **6.2 Environmental precautions**

Do not allow material to enter drains or water courses. Avoid contaminating sewers and waterways with this material.

### **6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

## **Section 7 - Handling and Storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of Electrostatic charge.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep tightly closed. Keep away from heat, sparks, and open flame. Store in a cool dry place.

### **7.3 Specific end uses**

---

#### **Sico Performance Material (Shandong) Co., Ltd**

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: [www.sicosil.com](http://www.sicosil.com) Email: [sales@silanechem.com](mailto:sales@silanechem.com)

# SAFETY DATA SHEET



Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)

Revision date 01-June-2020

no data available

## Section 8 - Exposure Controls / Personal Protection

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Tightly fitting safety goggles. Face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal Technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be Selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face Respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9 - Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Colourless liquid
Odour	no data available
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	17 °C - closed cup

#### Sico Performance Material (Shandong) Co., Ltd

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: www. sicosil.com

Email: sales@silanechem.com

# SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)



Revision date 01-June-2020

Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	0.9200 g/cm <sup>3</sup> at 20 °C
Water solubility	no data available
Partition coefficient: noctanol/water	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

## 9.2 Other safety information

no data available

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Inorganic halides. Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

---

**Sico Performance Material (Shandong) Co., Ltd**

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: [www.sicosil.com](http://www.sicosil.com)

Email: [sales@silanechem.com](mailto:sales@silanechem.com)

# SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)



Revision date 01-June-2020

no data available

## **Respiratory or skin sensitization**

no data available

## **Germ cell mutagenicity**

no data available

## **Carcinogenicity**

no data available

## **Reproductive toxicity**

no data available

## **Specific target organ toxicity - single exposure**

no data available

## **Specific target orgtoxicity - repeated exposure**

no data available

## **Aspiration hazard**

no data available

## **Additional Information**

no data available

## Section 12 - Ecological Information

### **12.1 Toxicity**

no data available

### **12.2 Persistence and degradability**

no data available

### **12.3 Bioaccumulative potential**

no data available

### **12.4 Mobility in soil**

no data available

### **12.5 Results of PBT and vPvB assessment**

no data available

### **12.6 Other adverse effects**

no data available

## Section 13 - Disposal Considerations

### **13.1 Waste treatment methods**

#### **Product**

Offer surplus and non-recyclable  
solutions to a licensed disposal company.

#### **Contaminated packaging**

Dispose of as unused product.

## Section 14 - Transport Information

### **Sico Performance Material (Shandong) Co., Ltd**

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: [www.sicosil.com](http://www.sicosil.com)

Email: [sales@silanechem.com](mailto:sales@silanechem.com)

# SAFETY DATA SHEET



Regulation (EC) No 1907/2006 (REACH) &  
COMMISSION REGULATION (EU) 2015/830

Version 2.02

Product name 3-Ureidopropyltriethoxysilane(50% in methanol)

Revision date 01-June-2020

## 14.1 UN number

ADR/RID: 1230

IMDG: 1230

IATA:1230

## 14.2 UN proper shipping name

ADR/RID: FLAMMABLE LIQUID, TOXIC, N.O.S.(METHANOL, Ethanol)

IMDG: FLAMMABLE LIQUID, TOXIC, N.O.S.(METHANOL, Ethanol)

IATA: Flammable liquid, toxic, n.o.s.(METHANOL, Ethanol)

## 14.3 Transport hazard class(es)

ADR/RID: 3(6.1)

IMDG: 3(6.1)

IATA: 3(6.1)

## 14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

## 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

## 14.6 Special precautions for user

no data available

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## Section 16 - Other Information

### Further information:

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

- End of Safety Data Sheet

---

### Sico Performance Material (Shandong) Co., Ltd

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: [www.sicosil.com](http://www.sicosil.com)

Email: [sales@silanechem.com](mailto:sales@silanechem.com)