

# SAFETY DATA SHEET

## SM1030

According to Regulation GB/T 16483 and GB/T 17519

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name SM1030

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

Identified uses 1-Component sealant  
Uses advised against No specific uses advised against are identified.

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

Supplier ITW Performance Polymers (Wujiang) Co. Ltd.  
No. 4680 North Pangjin Road  
Economic Development Zone  
Wujiang  
Jiangsu  
China  
0512-63488388  
0512-63091890  
Contact Person ITW Performance Polymers (Wujiang) Co. Ltd.

#### 1.4. Emergency telephone number

National Emergency Telephone Number: 0532-83889090 (24h)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319
Environment	Not classified.

Human health

Irritating to eyes and skin

Environment

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physical and Chemical Hazards

Closed containers can burst violently when heated, due to excess pressure build-up.

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary Statements

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

**SM1030**

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical advice/attention.

P313

## Supplementary Precautionary Statements

P264

Wash contaminated skin thoroughly after handling.

P321

Specific treatment (see medical advice on this label).

P302+352

IF ON SKIN: Wash with plenty of soap and water.

P332+313

If skin irritation occurs: Get medical advice/attention.

P337

If eye irritation persists:

P362

Take off contaminated clothing and wash before reuse.

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Calcium Carbonate	30-60%
CAS-No. : 471-34-1	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.
Silyl terminated polyether	30-60%
CAS-No. : 151865-59-7	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
Polypropylene glycol	10-30%
CAS-No. : 25322-69-4	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R20/21/22. Xi;R36.
Silica, crystalline (quartz)	1-5%
CAS-No. : 14808-60-7	
Classification (EC 1272/2008) STOT SE 3 - H335	Classification (67/548/EEC) Xi;R37.
Vinyltrimethoxy silane	1-5%
CAS-No. : 2768-02-7	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R36/37/38. R10.

# SM1030

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information

Treat Symptomatically.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If respiratory problems, artificial respiration/oxygen. Call a POISON CENTER or doctor

Ingestion

IF SWALLOWED: DO NOT induce vomiting. Call a POISON CENTER or doctor Never give anything by mouth to an unconscious person.

Skin contact

IF ON SKIN: Take off contaminated clothing. Wash with plenty of water several minutes. If skin irritation occurs: Get medical advice/attention.

Eye contact

IF IN EYES: Hold eyelids apart. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

### 4.2. Most important symptoms and effects, both acute and delayed

General information

The casualty should be transferred to hospital for further treatment.

Inhalation

Irritation of nose, throat and airway.

Ingestion

Cause irritation. Nausea, vomiting.

Skin contact

Skin irritation. Allergic reactions are possible.

Eye contact

Irritation of eyes and mucous membranes.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment should be controlled by symptoms and clinical conditions.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Avoid water in straight hose stream, which will scatter and spread fire.

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

Hazardous combustion products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

Unusual Fire & Explosion Hazards

If heated in a fire, volume and pressure increases strongly, resulting in rupture or explosion of container.

Specific hazards

Closed containers can burst violently when heated, due to excess pressure build-up.

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

Evacuate area of unprotected personnel. Fight advanced or massive fires from safe distance or protected location. Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Extinguish at a up wind place.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

# SM1030

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

For personal protection, see section 8. Avoid inhalation of vapours and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

## 6.2. Environmental precautions

The product belongs to water pollutant. Do not discharge into drains, water courses or onto the ground.

## 6.3. Methods and material for containment and cleaning up

Well ventilated and well protected.

【1】 Small Spillages: Collect the spillages into a closed container. Absorb with inert, damp, non-combustible material, then transit to a safety place.

【2】 Large Spillages: Stop the flow of material if this is without risk. Dike the spilled material. Cover with plastic sheet to prevent spreading. Pump or shovel to storage or salvage vessels. Prevent entry into waterways, sewer, basements or confined areas.

## 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Provide good ventilation. Avoid breathing vapor, aerosol or mist. Avoid contact with eyes and skin.

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

Store in closed original container at temperatures between 15° C and 25° C. Store in tightly closed original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
Silica, crystalline (quartz)	WEL	0,1 mg/m <sup>3</sup>		

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Wear respiratory protection with combination filter at high concentration. At emergency, respiratory protection with air supply must be used.

Hand protection

Use suitable protective gloves if risk of skin contact.

Eye protection

Wear tight-fitting goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash thoroughly after handling. Form a good habit.

# SM1030

Personal protection

People unprotected as required are not allowed into the work area.

Skin protection

Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	White / off-white.
Odour	No characteristic odour.
Solubility	Insoluble in water
Initial boiling point and boiling range (° C)	Not determined.
Melting point (° C)	Not determined.
Relative density	1.55 @23°C
Vapour density (air=1)	Not determined.
Vapour pressure	Not determined.
Evaporation rate	Not determined.
Evaporation Factor	Not determined.
pH-Value, Conc. Solution	中性
Solubility Value (G/100G H2O@20° C)	Not determined.
Decomposition temperature (° C)	Not determined.
Flash point (° C)	Not determined.
Auto Ignition Temperature (° C)	Not determined.
Flammability Limit - Lower(%)	Not determined.
Flammability Limit - Upper(%)	Not determined.
Partition Coefficient (N-Octanol/Water)	Not determined.

### 9.2. Other information

No information required.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product will harden into a hard mass in contact with water and moisture.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not available.

Hazardous Polymerisation

Not reported.

# SM1030

## **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Water, moisture.

## **10.5. Incompatible materials**

Materials To Avoid

Strong oxidising substances. Strong reducing agents.

## **10.6. Hazardous decomposition products**

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Toxicological information

No information available.

Specific target organ toxicity - single exposure:

Target Organs

No specific target organs noted

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause stomach pain or vomiting.

Skin contact

May cause skin irritation/eczema.

Eye contact

Irritating to eyes.

Route of entry

Skin and/or eye contact. Inhalation. Ingestion.

Target Organs

Eyes Skin Respiratory system, lungs Gastro-intestinal tract

Medical Symptoms

Overexposure can cause headaches, dizziness, nausea, and vomiting.

## **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

There are no data on the ecotoxicity of this product.

### **12.1. Toxicity**

No related data.

### **12.2. Persistence and degradability**

No information.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

### **12.4. Mobility in soil**

# SM1030

Mobility:

no reports available

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

Not detemined.

## **12.6. Other adverse effects**

No information required.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Read the legal and other requirements before disposing of the waste.

### **13.1. Waste treatment methods**

**【1】** Waste from residues or unused products:

Recycling as much as possible. If not be recycled, arrange disposal of residual chemicals and contaminated containers in accordance to the state and local regulations.

Do not employ the disposal method by discharging into the sewer.

**【2】** Contaminated Packaging:

Do not reuse containers without proper cleaning or reconditioning.

The container shall be returned to the manufacturer or disposed of in accordance with state and local guidelines.

**【3】** Precaution When Disposal:

Safety precautions of disposal, see section 8.

The product shall be treated as hazardous waste even if it is discarded on the condition not used or contaminated.

## **SECTION 14: TRANSPORT INFORMATION**

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

No information required.

### **14.2. UN proper shipping name**

No information required.

### **14.3. Transport hazard class(es)**

No information required.

### **14.4. Packing group**

No information required.

### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

### **14.6. Special precautions for user**

No information required.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

## **SECTION 15: REGULATORY INFORMATION**

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

EU Legislation

**【1】** Regulation (EC) No 1272/2008 - classification, labelling and packaging of substances and mixtures

# SM1030

- 【2】 Regulation (EC) No 1907/2006 – REACH
- 【3】 TOXIC SUBSTANCES CONTROL ACT
- 【4】 International Maritime Dangerous Goods Code  
Health and Environmental Listings

- 【1】 Law of the People's Republic of China on Prevention and Control of Occupational Diseases
- 【2】 Measures for Environmental Management of New Chemical Substances
- 【3】 National Catalogue of Hazardous Waste

## 15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

- 【1】 MAC: Maximum Allowable Concentration.
- 【2】 TLV: Threshold Limit Value.
- 【3】 PC-TWA: Permissible Concentration-Time Weighted Average.
- 【4】 PC-STEL: Permissible Concentration-Short Term Exposure Limit.
- 【5】 IARC: International Agency for Research on Cancer.
- 【6】 ACGIH: American Conference of Governmental Industrial Hygienists.

General information

Only trained personnel should use this material.

Information Sources

#### 【1】 Source for PHYSICAL HAZARDS:

International Chemical Safety Cards, ICSCs, <http://www.ilo.org/dyn/icsc/showcard.home>  
 International Uniform Chemical Information Database, IUCLID, <http://esis.jrc.ec.europa.eu/>  
 NIOSH Pocket Guide to Chemical Hazards, <http://www.cdc.gov/niosh/npg>  
 CAMEO Chemicals, <http://cameochemicals.noaa.gov/>

#### 【2】 Source for HEALTH HAZARDS:

Environmental Health Criteria, EHC, <http://www.inchem.org/pages/ehc.html>  
 Concise International Chemical Assessment Documents, CICADS, <http://www.inchem.org/pages/cicads.html>  
 SIDS Initial Assessment Report, SIDS Report, <http://www.chem.unep.ch/irptc/sids/OECD/SIDS/sidspub.html>  
 International Agency for Research on Cancer, IARC, <http://monographs.iarc.fr/>

#### 【3】 Source for ENVIRONMENTAL HAZARDS:

OECD: SIDS <http://www.chem.unep.ch/irptc/sids/OECD/SIDS/sidspub.html>  
 WHO/IPCS: EHC <http://www.inchem.org/pages/ehc.html>

Revision Comments

Section 2-HAZARDS IDENTIFICATION, add GHS classification and pictogram

Issued By ITW Performance Polymers (Wujiang) Co. Ltd.

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Revision 1

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Signature 依工聚合工业（吴江）有限公司

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