# Safety Data Sheet

# Two-component Structural Silicone Sealant-Part A

**Guangzhou Jointas Chemical Co., Ltd.**

SDS number:**190311123GZU-007**

Version No:**1.0**
According to Regulation (EC) No 1907/2006(REACH) with its amendment Commission Regulation (EU) 2015/830

Issue Date:**22/04/2019**
REACH.GBR.EN

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

### 1.1. Product Identifier

| | |
|---|---|
| **Product name** | Two-component Structural Silicone Sealant-Part A |
| **Other means of identification** | Two-component Structural Silicone Sealant for Curtain Wall antas-168 Part A<br>Two-component Structural Silicone Sealant antas-168-25 Part A<br>Two-component Structural Silicone Sealant for Insulating Glass antas-166 Part A |

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

| | |
|---|---|
| **Relevant identified uses** | Structural adhesive sealing for curtain walls; the secondary sealing of insulating glass. |
| **Uses advised against** | Not Applicable |

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

| | |
|---|---|
| **Supplier name** | **Guangzhou Jointas Chemical Co., Ltd.** |
| **Address** | 2&5 Floor, Building 6, No 62 Nanxiangyilu, High-Tech Industry Development Zone, Guangzhou 510663, China |
| **Telephone** | +86-136-1027-5045 |
| **Email** | yanfa005@jointas.com |
| **Importer name** | |
| **Address** | |
| **Telephone** | |
| **Email** | |

### 1.4. Emergency telephone number

| | |
|---|---|
| **Association / Organisation** | |
| **Emergency telephone numbers** | |
| **Other emergency telephone numbers** | |

## SECTION 2 HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Not classified as Dangerous Goods for transport purposes.

| | |
|---|---|
| **Classification according to regulation (EC) No 1272/2008 [CLP]** | Not Classified |

### 2.2. Label elements

| | |
|---|---|
| **Hazard pictogram(s)** | Not Applicable |
| SIGNAL WORD | **NOT APPLICABLE** |

**Hazard statement(s)**

Not Applicable

**Supplementary statement(s)**

| | |
|---|---|
| **EUH210** | Safety data sheet available on request. |

**Precautionary statement(s) Prevention**

Not Applicable

**Precautionary statement(s) Response**

Not Applicable

**Precautionary statement(s) Storage**

**Continued...**

Not Applicable

**Precautionary statement(s) Disposal**

Not Applicable

### 2.3. Other hazards

REACh - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1.Substances

See 'Composition on ingredients' in Section 3.2

### 3.2.Mixtures

| 1.CAS No<br>2.EC No<br>3.Index No<br>4.REACH No | %[weight] | Name | Classification according to regulation (EC) No 1272/2008 [CLP] |
|---|---|---|---|
| 1.70131-67-8<br>2.Not Available<br>3.Not Available<br>4.Not Available | 30-60 | Hydroxy (OH)Terminated PDMS | Not Classified |
| 1.471-34-1<br>2.207-439-9<br>3.Not Available<br>4.Not Available | 30-60 | calcium carbonate | Not Classified |
| 1.112945-52-5<br>2.Not Available<br>3.Not Available<br>4.Not Available | <5 | Silica | Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Skin Corrosion/Irritation Category 2, Eye Irritation Category 2; H335, H315, H319 |

## SECTION 4 FIRST AID MEASURES

### 4.1. Description of first aid measures

| | |
|---|---|
| **Eye Contact** | If this product comes in contact with eyes:<br>▸ Wash out immediately with water.<br>▸ If irritation continues, seek medical attention.<br>▸ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| **Skin Contact** | If skin contact occurs:<br>▸ Immediately remove all contaminated clothing, including footwear.<br>▸ Flush skin and hair with running water (and soap if available).<br>▸ Seek medical attention in event of irritation. |
| **Inhalation** | ▸ If fumes, aerosols or combustion products are inhaled remove from contaminated area.<br>▸ Other measures are usually unnecessary. |
| **Ingestion** | ▸ Immediately give a glass of water.<br>▸ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. |

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

See Section 11

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

Treat symptomatically.

## SECTION 5 FIREFIGHTING MEASURES

### 5.1. Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

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

| | |
|---|---|
| **Fire Incompatibility** | None known. |

### 5.3. Advice for firefighters

| | |
|---|---|
| **Fire Fighting** | ▸ Alert Fire Brigade and tell them location and nature of hazard.<br>▸ Wear breathing apparatus plus protective gloves in the event of a fire. |
| **Fire/Explosion Hazard** | ▸ Non combustible.<br>▸ Not considered a significant fire risk, however containers may burn. |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

**Continued...**

See section 8

### 6.2. Environmental precautions

See section 12

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

| | |
|---|---|
| **Minor Spills** | ▸ Clean up all spills immediately.<br>▸ Avoid contact with skin and eyes. |
| **Major Spills** | Minor hazard.<br>▸ Clear area of personnel. |

### 6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 HANDLING AND STORAGE

### 7.1. Precautions for safe handling

| | |
|---|---|
| **Safe handling** | ▸ Limit all unnecessary personal contact.<br>▸ Wear protective clothing when risk of exposure occurs. |
| **Fire and explosion protection** | See section 5 |
| **Other information** | ▸ Store in original containers.<br>▸ Keep containers securely sealed. |

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

| | |
|---|---|
| **Suitable container** | Iron Barrel |
| **Storage incompatibility** | ▸ Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. |

### 7.3. Specific end use(s)

See section 1.2

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

**DERIVED NO EFFECT LEVEL (DNEL)**

Not Available

**PREDICTED NO EFFECT LEVEL (PNEC)**

Not Available

**OCCUPATIONAL EXPOSURE LIMITS (OEL)**

**INGREDIENT DATA**

| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|---|---|---|---|---|---|---|
| UK Workplace Exposure Limits (WELs) | calcium carbonate | Calcium carbonate: inhalable dust | 10 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | calcium carbonate | Calcium carbonate: respirable | 4 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | calcium carbonate | Limestone: total inhalable | 10 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | calcium carbonate | Limestone: respirable | 4 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | calcium carbonate | Marble: total inhalable | 10 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | calcium carbonate | Marble: respirable | 4 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | Silica | Silica, amorphous: inhalable dust | 6 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | Silica | Silica, amorphous: respirable dust | 2.4 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | Silica | Silica, respirable crystalline | 0.1 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | Silica | Silica, fused respirable dust | 0.08 mg/m3 | Not Available | Not Available | Not Available |

### 8.2. Exposure controls

| | |
|---|---|
| **8.2.1. Appropriate engineering controls** | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. |

Continued...

| | |
|---|---|
| **8.2.2. Personal protection** |  |
| **Eye and face protection** | ▸ Safety glasses with side shields.<br>▸ Chemical goggles. |
| **Skin protection** | See Hand protection below |
| **Hands/feet protection** | ▸ Wear chemical protective gloves, e.g. PVC.<br>▸ Wear safety footwear or safety gumboots, e.g. Rubber |
| **Body protection** | See Other protection below |
| **Other protection** | ▸ Overalls.<br>▸ P.V.C. |

### Respiratory protection

**Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.**

### 8.2.3. Environmental exposure controls

See section 12

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

| | |
|---|---|
| **Appearance** | Black, White, Grey Paste |

| | | | |
|---|---|---|---|
| **Physical state** | Paste | **Relative density (Water = 1)** | Not Available |
| **Odour** | Not Available | **Partition coefficient n-octanol / water** | Not Available |
| **Odour threshold** | Not Available | **Auto-ignition temperature (°C)** | Not Available |
| **pH (as supplied)** | Not Available | **Decomposition temperature** | Not Available |
| **Melting point / freezing point (°C)** | Not Available | **Viscosity (cSt)** | Not Available |
| **Initial boiling point and boiling range (°C)** | Not Available | **Molecular weight (g/mol)** | Not Available |
| **Flash point (°C)** | Not Available | **Taste** | Not Available |
| **Evaporation rate** | Not Available | **Explosive properties** | Not Available |
| **Flammability** | Not Flammable | **Oxidising properties** | Not Available |
| **Upper Explosive Limit (%)** | Not Available | **Surface Tension (dyn/cm or mN/m)** | Not Available |
| **Lower Explosive Limit (%)** | Not Available | **Volatile Component (%vol)** | Not Available |
| **Vapour pressure (kPa)** | Not Available | **Gas group** | Not Available |
| **Solubility in water** | Not Available | **pH as a solution (1%)** | Not Available |
| **Vapour density (Air = 1)** | Not Available | **VOC g/L** | Not Available |

### 9.2. Other information

Not Available

## SECTION 10 STABILITY AND REACTIVITY

| | |
|---|---|
| **10.1.Reactivity** | See section 7.2 |
| **10.2. Chemical stability** | Product is considered stable and hazardous polymerisation will not occur. |
| **10.3. Possibility of hazardous reactions** | See section 7.2 |
| **10.4. Conditions to avoid** | See section 7.2 |
| **10.5. Incompatible materials** | See section 7.2 |
| **10.6. Hazardous decomposition products** | See section 5.3 |

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

| | |
|---|---|
| | Hydroxy (OH)Terminated PDMS |
| | Inhalation (rat) LC50: >535 mg/l **[2] |
| | Oral (rat) LD50: >40000 mg/kg **[2] |

Continued...

| | |
|---|---|
| **Acute Toxicity** | Oral (rat) LD50: >5000 mg/kg *[2]<br>calcium carbonate<br>dermal (rat) LD50: >2000 mg/kg[1]<br>Oral (rat) LD50: >2000 mg/kg[1]<br>Silica<br>Dermal (rabbit) LD50: >5000 mg/kg *[2]<br>Oral (rat) LD50: 3160 mg/kg[2] |
| **Skin Irritation/Corrosion** | No skin irritation |
| **Serious Eye Damage/Irritation** | No serious eye irritation |
| **Respiratory or Skin sensitisation** | No data available |
| **Mutagenicity** | No data available |
| **Carcinogenicity** | No data available |
| **Reproductivity** | No data available |
| **STOT - Single Exposure** | No data available |
| **STOT - Repeated Exposure** | No data available |
| **Aspiration Hazard** | No data available |
| ***Legend:*** | *1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances* |

## SECTION 12 ECOLOGICAL INFORMATION

### 12.1. Toxicity

| | |
|---|---|
| **Two-component Structural Silicone Sealant-Part A** | No data available for the mixture. |

### 12.2. Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|---|---|---|
| | No Data available for all ingredients | No Data available for all ingredients |

### 12.3. Bioaccumulative potential

| Ingredient | Bioaccumulation |
|---|---|
| | No Data available for all ingredients |

### 12.4. Mobility in soil

| Ingredient | Mobility |
|---|---|
| | No Data available for all ingredients |

### 12.5.Results of PBT and vPvB assessment

| | P | B | T |
|---|---|---|---|
| Relevant available data | Not Applicable | Not Applicable | Not Applicable |
| PBT Criteria fulfilled? | Not Applicable | Not Applicable | Not Applicable |

### 12.6. Other adverse effects

No data available

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

| | |
|---|---|
| **Product / Packaging disposal** | ▸ **DO NOT** allow wash water from cleaning or process equipment to enter drains.<br>▸ It may be necessary to collect all wash water for treatment before disposal.<br>▸ Recycle wherever possible or consult manufacturer for recycling options.<br>▸ Consult State Land Waste Management Authority for disposal. |
| **Waste treatment options** | Not Available |
| **Sewage disposal options** | Not Available |

Continued...

## SECTION 14 TRANSPORT INFORMATION

| | |
|---|---|
| **Marine Pollutant** | NO |
| **HAZCHEM** | Not Applicable |

### Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | |
|---|---|
| 14.1. **UN number** | Not Applicable |
| 14.2. **UN proper shipping name** | Not Applicable |
| 14.3. **Transport hazard class(es)** | Class: Not Applicable<br>Subrisk: Not Applicable |
| 14.4. **Packing group** | Not Applicable |
| 14.5. **Environmental hazard** | Not Applicable |
| 14.6. **Special precautions for user** | Hazard identification (Kemler): Not Applicable<br>Classification code: Not Applicable<br>Hazard Label: Not Applicable<br>Special provisions: Not Applicable<br>Limited quantity: Not Applicable |

### Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | |
|---|---|
| 14.1. **UN number** | Not Applicable |
| 14.2. **UN proper shipping name** | Not Applicable |
| 14.3. **Transport hazard class(es)** | ICAO/IATA Class: Not Applicable<br>ICAO / IATA Subrisk: Not Applicable<br>ERG Code: Not Applicable |
| 14.4. **Packing group** | Not Applicable |
| 14.5. **Environmental hazard** | Not Applicable |
| 14.6. **Special precautions for user** | Special provisions: Not Applicable<br>Cargo Only Packing Instructions: Not Applicable<br>Cargo Only Maximum Qty / Pack: Not Applicable<br>Passenger and Cargo Packing Instructions: Not Applicable<br>Passenger and Cargo Maximum Qty / Pack: Not Applicable<br>Passenger and Cargo Limited Quantity Packing Instructions: Not Applicable<br>Passenger and Cargo Limited Maximum Qty / Pack: Not Applicable |

### Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | |
|---|---|
| 14.1. **UN number** | Not Applicable |
| 14.2. **UN proper shipping name** | Not Applicable |
| 14.3. **Transport hazard class(es)** | IMDG Class: Not Applicable<br>IMDG Subrisk: Not Applicable |
| 14.4. **Packing group** | Not Applicable |
| 14.5. **Environmental hazard** | Not Applicable |
| 14.6. **Special precautions for user** | EMS Number: Not Applicable<br>Special provisions: Not Applicable<br>Limited Quantities: Not Applicable |

### Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | |
|---|---|
| 14.1. **UN number** | Not Applicable |
| 14.2. **UN proper shipping name** | Not Applicable |
| 14.3. **Transport hazard class(es)** | Not Applicable: Not Applicable |
| 14.4. **Packing group** | Not Applicable |
| 14.5. **Environmental hazard** | Not Applicable |

Continued...

| | | |
|---|---|---|
| 14.6. **Special precautions for user** | Classification code | Not Applicable |
| | Special provisions | Not Applicable |
| | Limited quantity | Not Applicable |
| | Equipment required | Not Applicable |
| | Fire cones number | Not Applicable |

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## SECTION 15 REGULATORY INFORMATION

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

**HYDROXY (OH)TERMINATED PDMS(70131-67-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

European Customs Inventory of Chemical Substances ECICS (English)

**CALCIUM CARBONATE(471-34-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Europe EC Inventory
European Customs Inventory of Chemical Substances ECICS (English)
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)
UK Workplace Exposure Limits (WELs)

**SILICA(112945-52-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

European Customs Inventory of Chemical Substances ECICS (English)
UK Workplace Exposure Limits (WELs)

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2015/830; Regulation (EC) No 1272/2008 as updated through ATPs.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16 OTHER INFORMATION

### Full text Risk and Hazard codes

| | |
|---|---|
| **H315** | Causes skin irritation. |
| **H319** | Causes serious eye irritation. |
| **H335** | May cause respiratory irritation. |

### Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

### Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit。
IDLH: Immediately Dangerous to Life or Health Concentrations
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index