

SDS Report

No.: CANML2006160401

Date: 11 May 2020

Page 1 of 1

GUANGZHOU JOINTAS CHEMICAL JOINT STOCK CO.LTD
1/F,BUILDING C,NO.62,NANXIANG YILU,GUANGZHOU SCIENCE CITY,HUANGPU
DISTRICT,GUANGZHOU,CHINA

SGS Job No. : GZIN2004017381PC
Sample Name : Antas-Modified silane fire resistant sealant 352
Manufacturer : GUANGZHOU JOINTAS CHEMICAL JOINT STOCK CO.LTD
Country of Origin : China
End Uses : prefabricated building
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : 28 Apr 2020
SDS Preparation Period : 28 Apr 2020-09 May 2020

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Remark:

- 1.The SDS is prepared based on the information provided by client.
2. Silane-terminated polyether resin (CAS No. 216597-12-5) is not classified in this SDS, as no information was found in company and literature data, and client cannot provide SDS(s) for classification.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Zm guan
Approved Signatory



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020


Version number 1


Revision: 08.05.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Antas-Modified silane fire resistant sealant 352
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** prefabricated building
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:** GUANGZHOU JOINTAS CHEMICAL JOINT STOCK CO.LTD
- **Full address:**
1/F, BUILDING C, NO.62, NANXIANG YILU, GUANGZHOU SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU, CHINA
- **Phone number:** +(86)-020-85576000
- **Email:** Yanfa031@jointas.com
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** GUANGZHOU JOINTAS CHEMICAL JOINT STOCK CO.LTD
- **1.4 Emergency telephone number:**
GERMANY
Poison Center Berlin - Institute of Toxicology
Tel: +49 030 192 40
- **1.5 Reference Number:** CANML2006160401, GZIN2004017381PC

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 
GHS08 health hazard

 Repr. 1B H360FD May damage fertility. May damage the unborn child.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation (EC) No.1272/2008.
- **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No. 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
- 

GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
dibutyltin dilaurate
- **Hazard statements**
H360FD May damage fertility. May damage the unborn child.
- **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.

(Contd. on page 2)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 1)

- P202 Do not handle until all safety precautions have been read and understood.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Restricted to professional users.

· **2.3 Other hazards:**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

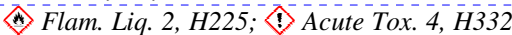
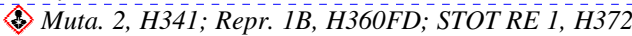
· **3.2 Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16.

· **Composition:**

CAS: 471-34-1 EINECS: 207-439-9	Calcium carbonate substance with a Community workplace exposure limit	35-45%
CAS: 216597-12-5	Silane-terminated polyether resin	25-35%
CAS: 26761-40-0 EINECS: 247-977-1	di-"isodecyl" phthalate substance with a Community workplace exposure limit	15-25%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	0-3%
CAS: 1333-86-4 EINECS: 215-609-9	carbon black substance with a Community workplace exposure limit	0-3%
CAS: 2768-02-7 EINECS: 220-449-8	trimethoxyvinylsilane 	1-2%
CAS: 6683-19-8 EINECS: 229-722-6	pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate)	0.5-1.5%
CAS: 77-58-7 EINECS: 201-039-8 Index number: 050-030-00-3	dibutyltin dilaurate 	0.1-0.5%

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation:**

Keep the patient quiet. When unconscious should be placed into a stable side position. Keep your temperature. Seek medical advice in case of illness (if possible, Show label or safety data sheet).

· **After skin contact:**

Remove soiled or soaked clothing. Rinse immediately with plenty of soapy water. If there is any visible skin injury or other discomfort, seek medical advice (show label or safety data sheet if possible).

· **After eye contact:**

Rinse immediately with plenty of water and rinse thoroughly for 10-15 minutes. If you continue to feel tingling, seek medical advice.

· **After swallowing:**

If you are conscious, drink small amounts of water several times. Do not induce vomiting. Ask the doctor to see you immediately and tell you the exact name of the substance.

(Contd. on page 3)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 2)

- **4.2 Most important symptoms and effects, both acute and delayed:**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **6.4 Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:**
Open and handle receptacle with care.
For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:
471-34-1 Calcium carbonate (35-45%)

VME (France) Long-term value: 10 mg/m³
26761-40-0 di-"isodecyl" phthalate (15-25%)

WEL (Great Britain) Long-term value: 5 mg/m³

MAK (Germany) vgl. Abschn. Xc

(Contd. on page 4)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 3)

13463-67-7 titanium dioxide (0-3%)	
WEL (Great Britain)	Long-term value: $10 \times 4^{**} \text{ mg/m}^3$ *total inhalable **respirable
AGW (Germany)	Long-term value: $1.25 \times 10^{**} \text{ mg/m}^3$ 2(II); *alveolengängig **einatembare; AGS, DFG
VME (France)	Long-term value: 10 mg/m^3
1333-86-4 carbon black (0-3%)	
WEL (Great Britain)	Short-term value: 7 mg/m^3 Long-term value: 3.5 mg/m^3
VME (France)	Long-term value: 3.5 mg/m^3
77-58-7 dibutyltin dilaurate (0.1-0.5%)	
WEL (Great Britain)	Short-term value: 0.2 mg/m^3 Long-term value: 0.1 mg/m^3 as Sn; Sk
AGW (Germany)	Long-term value: 0.009 mg/m^3 , 0.0018 ppm 1(I); H, Z, 10, 11, AGS
VME (France)	Short-term value: 0.2 mg/m^3 Long-term value: 0.1 mg/m^3 en Sn

· **Regulatory information**

VME (France): ED 984, 10.2016

WEL (Great Britain): EH40/2018

MAK (Germany): MAK- und BAT-Liste

AGW (Germany): TRGS 900

· **DNELs:** Not available· **PNECs:** Not available

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

· **Appropriate engineering controls:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

See Section 7 for information about design of technical facilities.

· **Personal protective equipment**

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 4)

- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling
- **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance

Form:	Paste
Colour:	Gray
Odour:	Odourless
Odour threshold:	Not available

· **pH-value:** Not available

· Change in condition

Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available

· **Flash point:** >200 °C

· **Flammability (solid, gas):** Not available

· **Auto-ignition temperature:** Not available

· **Decomposition temperature:** Not available

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· Explosion limits

Lower:	Not available
Upper:	Not available

· **Oxidising properties:** Not available

· **Vapour pressure:** Not available

· **Density:** 1.4 g/cm³

· **Relative density:** Not available

· **Vapour density:** Not available

· **Evaporation rate:** Not available

· **Solubility in / Miscibility with water:**

Not available

· **Partition coefficient: n-octanol/water:** Not available

· Viscosity

Dynamic:	Not available
Kinematic:	Not available

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity:** Stable paste

(Contd. on page 6)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 5)

- **10.2 Chemical stability:**
Under normal storage and operation conditions, the storage is stable at room temperature and in close storage.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** Humid environment.
- **10.5 Incompatible materials:** Will react with the latter: water. Reaction product: methanol.
- **10.6 Hazardous decomposition products:** Contact with moisture, water and protic.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

471-34-1 Calcium carbonate

Oral	LD50	6,450 mg/kg (rat)
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26761-40-0 di-"isodecyl" phthalate

Oral	LD50	64,000 mg/kg (rat)
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13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)

1333-86-4 carbon black

Oral	LD50	10,000 mg/kg (rat)
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Antas-Modified silane fire resistant sealant 352

Oral	LD50	>2,000 mg/kg (mouse)
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- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**
May damage fertility. May damage the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

(Contd. on page 7)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 6)

12.7 Additional ecological information:
General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR/RID/ADN, IMDG, IATA Not applicable

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA Not applicable

14.3 Transport hazard class(es)

ADR/RID/ADN, IMDG, IATA

Class Not applicable

Label -

14.4 Packing group

ADR/RID/ADN, IMDG, IATA Not applicable

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user:

Not applicable

Danger code (Kemler): -

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

UN "Model Regulation":

Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

1333-86-4	carbon black	3B
13463-67-7	titanium dioxide	3A

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category Not applicable

Qualifying quantity (tonnes) for the application of lower-tier requirements Not applicable

Qualifying quantity (tonnes) for the application of upper-tier requirements Not applicable

National regulations:
Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

(Contd. on page 8)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.05.2020

Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 7)

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/1/2020)**

None of the ingredients is listed

· **REACH Regulation Annex XVII Restriction (20/06/2019)**

See Section 16 for information about restriction of use.

77-58-7 dibutyltin dilaurate

· **REACH Regulation Annex XIV Authorisation List (13/6/2017)**

None of the ingredients is listed

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Recommended restriction of use**

REACH Annex XVII Restricted-30:

30. Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.

dibutyltin dilaurate (CAS: 77-58-7)

Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:

1. Shall not be placed on the market, or used,

- as substances,

- as constituents of other substances, or,

- in mixtures,

for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:

- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,

- the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008.

Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: 'Restricted to professional users'.

2. By way of derogation, paragraph 1 shall not apply to:

(a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;

(b) cosmetic products as defined by Directive 76/768/EEC;

(c) the following fuels and oil products:

- motor fuels which are covered by Directive 98/70/EC,

- mineral oil products intended for use as fuel in mobile or fixed combustion plants,

- fuels sold in closed systems (e.g. liquid gas bottles);

(d) artists' paints covered by Directive 1999/45/EC;

(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2.

Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.

· **Relevant hazard statements**

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

H341 Suspected of causing genetic defects.

H360FD May damage fertility. May damage the unborn child.

(Contd. on page 9)

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

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Version number 1

Revision: 08.05.2020

Trade name: Antas-Modified silane fire resistant sealant 352

(Contd. of page 8)

H372 Causes damage to organs through prolonged or repeated exposure.

Classification according to Regulation (EC) No. 1272/2008

Reproductive toxicity

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No. 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reason, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Muta. 2: Germ cell mutagenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

End of document