

Safety Data Sheet (SDS)

The content and format of this SDS is accordant with WHS regulation.

1. Identification

Product identifier:

Product name: ZS-GF-5299E A/B silicone elastomer

Recommended use of the chemical and restrictions on use:

Pouring sealant. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: Dongguan Zhaoshun Silicone Chemical Technology Co., Ltd.

Address: No.1 Daxin Road, DongboVillage, Zhongtang Town, Dongguan City, Guangdong Province

Tel.: +86-0769-88416666

Fax: +86-0769-88891019

Postal Code: 523233

Email: jianglu@usilicone.com

Contact information in Australia:

Company: Nepean Power

Contact Phone: +61 02 40285000

Address: 58 Bonville Avenue (PO Box 3047)

Thornton NSW 2322 Australia

Further information obtainable from: Dongguan Zhaoshun Silicone Chemical Technology Co., Ltd.

Information in case of emergency: +86-0769-88416666

2. Hazard(s) Identification

Hazard classification:

Physical hazards

Not classified

Health hazards

Germ cell mutagenicity - Category 2

Carcinogenicity-Category 1A

Specific target organ toxicity, repeated exposure-1(respiratory system, immune system, kidney)

Environmental hazards

not classified

Signal Word: Danger

Symbol: Health Hazard



Hazard Statements:

H341: Suspected of causing genetic defects.

H350: May cause cancer.

H372: Causes damage to organs (respiratory system, immune system, kidney) through prolonged or repeated exposure.

Precautionary Statements:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe gas/mist/vapour/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P281: Use personal protective equipment as required.

Response Precautionary Statements:

P308 + P313: IF exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.

Storage precautionary statements:

P405: Store locked up.

Disposal precautionary statements:

P501: Dispose of contents/container to relevant local and national regulations.

Non-GHS hazard statements: Not found.

Other hazards: Not found.

3. Composition/information on ingredients

Product description: substance () ; preparation/mixture (√)

Ingredient (s)	CAS No.	EC No.	% by weight
Quartz	14808-60-7	238-878-4	50-80
α -u-dimethyl polydimethylsiloxane	9006-65-9	618-433-4	20-50

4. First aid measures

.Description of first aid measures:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eyes Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Do not induce vomiting without professional instruction. Get medical attention immediately if discomfort occurs.

.Symptoms caused by exposure:

Acute effect and delayed effect: Acute effect: Not found. Delayed effect: Suspected of causing genetic defects. May cause cancer. Causes damage to organs (respiratory system, immune system, kidney) through prolonged or repeated exposure.

.Medical attention and special treatment:

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Suitable extinguishing equipment: Use dry chemical, foam or water spray in the big fire. Use carbon dioxide(CO₂). dry chemical or water spray in the small fire. Water can be used to cool containers that is exposed to fire. Do not use straight water streams.

Special hazards arising from the chemical: It may release smoke, Carbon oxides and other hazardous gas from thermal decomposition.

Fire Fighting Method:

For initial fire, use dry powder, carbon dioxide, dry sand, etc.

For large fire, it is effective to use dry chemicals, alcohol resistant foam,, etc. to shut off air supply.

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

Special protective equipment and precautions for fire fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment. Check whether the protective equipment is in good condition before use.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

Methods and material for containment and cleaning up:

Small Spill:

Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container.

Large Spill:

Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material. Keep away from heat and sources of ignition.

Build up dike or dig pit for collection. Spray fog water to cool down and dilute vapor. Dilute the spilled liquid till it is not combustible. Protect the working staff. Collect the spilled material with explosion-proof pump into an appropriate container and transport the waste to the disposal place.

7. Handling and storage

Precautions for safe handling:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities:

Store it in a well-ventilated, cool and dry store room. Avoid long-time direct contact of sunlight. Store locked up. The storeroom should be equipped with proper facilities for accidental fire.

Incompatible substances or mixtures: Strong oxidizing agent.

Packing material: Plastic barrels.

8. Exposure controls/personal protection

Occupational Exposure Limits:

Ingredients	Cal/OSHA PEL-TWA	ACGIH TLV-TWA
Quartz (CAS: 14808-60-7)	0.05 mg/m ³	0.025 mg/m ³ (resp.) for α -quartz and cristobalite

Engineering Controls:

Use this product only in closed systems fully or with local exhaust ventilation.

Install washer eyes and safety showers near to the handling and storage area.

Shows the location of these facilities, with a clear and prominent warning board.

Personal Protective Equipment (For workers) :

Protection of Hands:

Wear impermeable rubber gloves. (e.g. Rubber gloves)



Protection of Eyes:

Wear safety glasses when vapour or fume may be generated during processing or working for a long time.



Respiratory Protection:

No special requirements under normal conditions. Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.

Protection of Body:

Recommend wearing general working clothing.

.General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale vapour generated from processing.

Avoid contact with eyes and skin.

9. Physical and chemical properties

General Information	
Form	Viscous Liquid
Colour	A: Gray; B: white
Odour	Slight odor
Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point and boiling range	> 260°C
Flash Point	> 260°C (Closed Cup)
Evaporation rate	No data available
Flammability (solid, gas, etc.)	Flammable liquids
Flammable/Explosive Limits-Lower Vol %	Not applicable
Flammable/Explosive Limits-Upper Vol %	Not applicable
Vapour pressure	No data available
Vapour density	No data available
Specific Gravity	1.56±0.02g/cm ³
Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Relative vapour density	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Specific heat value	No data available
Particle size	No data available
Volatile organic compounds (VOC)	No data available
% volatile	No data available
Saturated vapour concentration	No data available
Release of invisible flammable vapour and gases	No data available

10. Stability and reactivity

Reactivity: Can react with strong oxidising agents.

Chemical stability: This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: Not found.

Conditions to Avoid: Long-time direct sunlight and high temperature.

Incompatible materials: Strong oxidizing agent.

Hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds Silicon dioxide. Formaldehyde.

11. Toxicological information

Product Toxicity Data: No data available

Ingredient (s)	CAS number	LD ₅₀ /LC ₅₀ (Median lethal dose)
α -w-dimethyl polydimethylsiloxane	9006-65-9	Acute toxicity (Oral) LD ₅₀ : 20,000 mg/kg (rat) Data source: ChemIDplus
Classification of the whole product:		Not classified.

Skin corrosion/irritation	No classification for this product.
Serious eye damage/eye irritation	No classification for this product.
Respiratory sensitizer	No classification for this product.
Skin sensitizer	No classification for this product.
Germ cell mutagenicity	Quartz (CAS: 14808-60-7): Category 2 (Data source: NITE-CHRIP) Classification of the whole product: Category 2
Carcinogenicity	Quartz (CAS: 14808-60-7): Category 1A (Data source: NITE-CHRIP,IARC-1) Classification of the whole product: Category 1A
Reproductive Toxicity	No classification for this product.
STOT-single exposure	No classification for this product.
STOT-repeated exposure	Quartz (CAS: 14808-60-7): Category 1 (respiratory system, immune system, kidney) (Data source: NITE-CHRIP) Classification of the whole product: Category 1 (respiratory system, immune system, kidney)
Aspiration hazard	No classification for this product.

Exposure Levels: Refer Section 8.1 Control Parameters of this Safety Data Sheet.

Interactive Effects: Not determined.

12. Ecological information

Ecotoxicity:

Quartz (CAS: 14808-60-7):

24h-LC₅₀ > 10,000mg/L, Crustaceans

Data source: NITE-CHRIP

Classification of the whole product: Not classified.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: When it is in liquid status, it can move in soil.

Other adverse effects: No information available.

13. Disposal considerations

Waste treatment methods:

Minimize the hazard of waste by the methods of neutralization and stabilization.
Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.
After contents are completely removed, dispose of its container at hazardous or special waste collection point.
Paste a label on the container indicating the possible hazards of the waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

Proper Shipping Name: Not regulated.

Hazard Class: Not applicable.

UN Code: Not applicable.

Packing Group: Not applicable.

Packing Group Symbol: Not applicable.

Marine Pollutant (Yes/No): No

EMS NO.: Not applicable.

Note:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

.Australia:

GHS Hazardous Chemical Information System (HCIS) List:

Ingredient (s)	GHS Hazard Category	Hazard Statement Codes	Hazard Statements
Not applicable	Not available	Not available	Not available

Australian Inventory of Chemical Substances (AICS):

The chemical components contained within this product are listed on the AICS and are in compliance with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

Poison Schedule: This product has not been assessed for poisons scheduling as the product is intended for industrial and professional use only.

.Other relevant laws and regulations:

Toxic Substances Control Act (TSCA): All ingredients are listed in the TSCA inventory list.

REACH Regulation Annex XVII Regulation List: Not listed.

REACH Regulation Annex XIV Authorization List: Not listed.

(EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	HAZARD CODE
Not applicable	Not available	Not available

Carcinogenicity categories:

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz (CAS: 14808-60-7)	Category A2	Category 1	Category 1	Not available

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

DISCLAIMER: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

References:

GHS 3rd Revised Edition
National model Code of Practice for the Labelling of Workplace Hazardous Chemicals
National model Code of Practice for the Preparation of Safety Data Sheets
Chemical Assessment Reports (NICNAS)
Hazardous Substances Information System (HSIS) database

Full description of some acronyms:

CAS-Chemical Abstracts Service
EINECS-European Inventory of Existing Commercial Chemical Substances
IMO-International Maritime Organization
IMDG-International Maritime Dangerous Goods
IATA-International Air Transport Association
ICAO-International Civil Aviation Organization
TSCA-Toxic Substance Control Act
OSHA-Occupational Safety and Health Administration
ACGIH- American Conference of Governmental Industrial Hygienists
HSDB- National Library of Medicine (NLM) Toxicology Data Network (TOXNET) Hazardous Substances Data Bank

The Issuing date: March 7, 2016

SDS Version: 1.0

The company authoring this SDS: LINAN KEDA Certification Technology Consulting Co., Ltd.

Address: Rm. 310, Bldg.B, Lin'an Branch, the Pilot and Comprehensive Cross-Border E-commerce Zone (Hangzhou), #68

Huaqiao Rd., Jincheng Sub-district, Lin'an Cithy, Zhejiang PR., China.

Websites: www.sds.gov.com www.ctmsds.com www.sds-reg.com

Tel: +86-571-61101910

Email: ctmsds@163.com

*****The End*****

ZS-GF-5299E A/B silicone elastomer UN NO.: not applicable

【Ingredients】 Quartz: 50-80%, α -w-dimethyl polydimethylsiloxane: 20-50%.

【Signal word】 Danger

【Hazard symbol】 Health Hazard



【Hazard Statement】

H341: Suspected of causing genetic defects.

H350: May cause cancer.

H372: Causes damage to organs (respiratory system, immune system, kidney) through prolonged or repeated exposure.

【Prevention Precautionary Statements】

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe gas/mist/vapour/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P281: Use personal protective equipment as required.

【Response Precautionary Statements】

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

P314: Get medical advice/attention if you feel unwell.

【Storage Precautionary Statements】

P405: Store locked up.

【Disposal Precautionary Statements】

P501: Dispose of contents/container to relevant local and national regulations.

Please refer to SDS for more information

Manufacturer/Supplier: Dongguan Zhaoshun Silicone Chemical Technology Co., Ltd.

Address: No.1 Daxin Road, DongboVillage, Zhongtang Town, Dongguan City, Guangdong Province

Information in case of emergency: +86-0769-88416666