



广东盛唐新材料技术有限公司

Guangdong Shengtang New Material & Technology Co., Ltd.

NO.: ST-MSDS33020

Safety Data Sheet

Single Component Silicone ST-792B-N

SECTION 1: Identification of the chemical and supplier

1.1 Product identifier

Product Name: Single Component Silicone

Item No.: ST-792B-N

1.2 Details of supplier

Manufacturer / Supplier:

Guandong Shengtang New Material & Technology Co., Ltd.

Full address:

3rd floor, No.1 Building, No.40 Gaoxin East Road, Jianghai District,
Jiangmen City, Guangdong Province, China

Phone number: 86 750 3466000

Fax number: 86 750 3466066

Report Date: 2024-2-20

SECTION 2: Composition/information on ingredients

Component	Proportion	CAS No.
α . ω -dihydroxylated polysiloxane	60-80%	31692-79-2
PDMS(polydimethylsiloxane)	5-10%	9016-00-6
Silicon dioxide	10-15%	10279-57-9
Tris(trimethoxymethyl)silane	2-5%	1185-55-3

SECTION 3: Hazard description

3.1 Hazardous Category: No Harm

3.2 Hazardous Information: The container should be stored in a well-ventilated place. Keep away from combustible material, No smoking
Avoid to touch the skin and eyes.

3.3 Expose Way: contact with the skin and accidental ingestion

3.4 Health hazards:

Acute effects:

Eye: This product may cause temporary redness and temporary discomfort



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following direct contact with the eye.

Skin Contact: A single short exposure have no significant impact

Inhaled: A single short exposure have no significant impact

Ingestion: Has very low ingestion hazard when used normally

Chronic effects:

Skin Contact: No further relevant information available

Inhaled: No further relevant information available

Ingestion: This material can cause, if swallow repeatedly or a lot of them once, serious damage of organs.

SECTION 4: First aid measures

Skin contact: No special measures required.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and if symptoms persist consult doctor.

Ingestion: No special measures required.

Medical advice: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents: use foam or water sprays for big fire, and carbon dioxide or water sprays for small fire.

5.2 Specific hazards arising from the substance or mixture: Incomplete combustion of carbides, silica and nitrogen oxides.

5.3 Special fire extinguishing procedure and equipment:

As in any fire, wear self-contained breathing apparatus and full protective gear. According to the local emergency plan, decide whether to evacuate or isolate the area and use water to cool the containers affected by the fire.

5.4 Hazardous characteristics: No harm

5.5 Ignition temperature: No further relevant information available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid breathing moisture and contacting with skin and eye. Keep container tightly closed. Cannot be swallowed

6.2 Environmental precautions:

Discharge into the environment(Sewer, surface, or groundwater) must be avoided. Use sand, soil, or other suitable restraints to prevent diffusion if leak or spill.

6.3 Methods and materials for containment and cleaning up:

According to the local emergency plan, decide whether evacuate personnel to safe



areas. Comply with all personal protective equipment recommendations listed in this material safety data sheet. If containment items can be sucked up, they should be packed into appropriate containers. Clean up spill residue with appropriate adsorbent. Clean the spill area properly, as some silicone items can cause greasy damage even in small amounts. Use steam, solvent or detergent for final cleaning. Properly dispose of saturated absorbents or cleaning products as they may also be suitable for material items used to clean up leaks. The provisions of the relevant laws may apply to the leakage and release of the articles, as well as the materials and articles used to clean up the leakage.

SECTION 7: Handling and storage

7.1 Precautions for handling:

Use adequate ventilation and exhaust equipment. Avoid contact with skin and eyes. Avoid inhaling moisture and keep container sealed. Do not swallow. Apply good industrial hygiene practices and wash after handling, especially before eating or smoking.

7.2 Precautions for storage:

Keep containers in a dry, cool and well-ventilated place. Stored away from oxidizing materials.

SECTION 8: Exposure controls/personal protection

8.1 Engineering controls:

Local ventilation equipment: Not advised
General ventilation equipment: advise to use

8.2 Respiratory protection: Not available

8.3 Eye protection: Suggest to wear tightly fitting safety glasses, goggles, or full hood protection.

8.4 Skin and body protection: Wear appropriate protective clothing, including protective aprons, where clothing may be contaminated

8.5 Hand protection: Rubber gloves are recommended

8.6 General requirement: Avoid contact with skin and eyes. Do not swallow. Take proper protection.

SECTION 9: Physical and chemical properties

Appearance

Form: Viscous gel
Color: Translucent Semifluid

Odor: No odor

Flash point(Closed cup, °C): >300

Initial boiling point and boiling range(°C): Not available



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Auto ignition temperature: Product is not self-igniting.
Explosion Upper: Not available
Explosion Lower: Not available
Explosive properties: Product does not present an explosion hazard
Oxidizing properties: Not available
Density: 1.02±0.05
Viscosity: /
Solubility in water: Insoluble or slightly soluble

SECTION 10: Stability and reactivity

10.1 Stability: Stable under normal operating and storage conditions

10.2 Reactivity

Avoid contact condition: Not available
Prohibited content: Not available
Decomposition product: Silicon dioxide, carbon dioxide,
Aggregate harm: No harmful polymerization will occur.

SECTION 11: Toxicological information

Health hazard: Refer to Section 3

Respiratory or skin sensitization: Unknown

Germ cell mutagenicity: Unknown

Reproductive toxicity: Unknown

Carcinogenicity: Base on available data, the classification criteria are not met.

Other health hazard information: No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity: No harmful

Environmental impact and its distribution: By depositing or bonding to the sludge, the siloxane is separated from the water and the siloxane is degraded in the soil.

Biological accumulating: Not available

Impact on wastewater treatment plant: By cementing the sewage sludge, it can be removed more than 90%, which has no harm effect on bacteria.

The siloxane in this product is not part of the BOD.

12.2 Environmental information:

Degradability: According to the requirements provided the environmental data of siloxane compounds.

SECTION 13: Disposal consideration



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Product waste treatment methods: Disposal according to official regulations

Package waste treatment methods: Disposal according to official

SECTION 14: Transport information

Roads and railways: Not assess

By sea (IMDG) : Not applicable

By air (IATA) : Not applicable

Cargo Danger No.: Not applicable

Danger Code: Not applicable

SECTION 15: Regulatory information

Applicable regulations: Using chemical workplace safety regulation "(1996),No.423 issued by labor department", Aim at hazardous chemicals for the safe use, production, storage, transportation, loading and unloading, etc for the corresponding provisions

Chemical inventory:

AICS: All ingredient have listed or exempted

DSL: All the chemicals in this article are listed in the DSL chemical Catalog or get an exempted of the DSL chemical catalog

IECSC: All ingredient have listed or exempted

MITI: All ingredient have listed in the ENCS or it's exempted regulation

KECL: All ingredient have listed or exempted or announcement

EINECS: All ingredient have listed or exempted

PICCS: All ingredient have listed or exempted

TSCA: All the chemicals in this article are listed in the TSCA chemical catalog or get an exempted of the chemical catalog.

SECTION 16: Other Information

Revision: The information contained in this article is based on our existing knowledge. There is no legal liability or contractual relationship. This information is not a product specification, but a concept of representative value. The user should review the recommendations for the use of the product before using and decide if applicable

Issued: Guangdong Shengtang New Material & Technology Co., Ltd

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