

Safety Data Sheet

Duplication Silicone Material

C – Silicone for Laboratory - Base

Page 1 of 6

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

1.1. Product identifier

Duplication Silicone Material: C – Silicone for Laboratory - Base

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

1.3. Details of the supplier of the safety data sheet

Company Name: Shandong Huge Dental Material Corporation
Address: No.68 shanghai Road, Donggang District
City, State, Zip Code: Rizhao City, Shandong Province, 276800, P.R.China
Telephone: 86-633-2277268
email address: marketing@hugedental.com
Website: www.hugedental.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Health hazards

Inhalation: Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

Eye contact: Slightly irritant to eyes

Skin contact: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

2.2. Label elements

No risks worthy of mention.

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Chemical characterization

Mixture of polyorganosiloxanes and inert mineral charges.

Hazardous components

None

Safety Data Sheet

Duplication Silicone Material

C – Silicone for Laboratory - Base

Page 2 of 6

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Not specifically applicable

After contact with skin

Remove contaminated clothing and shoes. Wash with soap and water.

After contact with eyes

In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

After ingestion

Do not induce vomiting. Rinse mouth thoroughly.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder. Water spray.

Extinguishing media which must not be used for safety reasons

None known.

Advice for firefighters Special Fire Fighting Procedures

Water spray should be used to cool containers.

Special protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Environmental Precautions.

6.2. Environmental precautions

This product does not present any particular risk to the environment.

6.3. Methods and material for containment and cleaning up

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate self-emulsifying solvent. Flush area with plenty of water. Incinerate in suitable combustion chamber.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Dose not require any specific or particular measures. Follow the instructions for use(refer to technical sheet).

7.2. Conditions for safe storage, including any incompatibilities

Stable under normal storage conditions. Incompatible with strong oxidizing agents. Use plastic containers for packaging. Bulk products are packed in steel epikote drums.

Safety Data Sheet

Duplication Silicone Material

C – Silicone for Laboratory - Base

Page 3 of 6

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

8.2. Exposure controls

General information:

No specific precautions.

Eye/face protection:

Safety Glasses

Skin protection:

Hand protection: Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

Other:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection:

No specific precautions.

Hygiene measures:

DO NOT drink, eat or smoke in the work place

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical State

Form: Viscous paste

Color: White-grey(shore 80,90)

Odor: Odorless

Odor Threshold: No data available.

pH: Not applicable

Melting Point: No data available.

Boiling Point: No data available.

Flash Point: > 200 °C (Closed cup according to method ASTM D-56.)

Evaporation Rate: No data available.

Flammability (solid, gas): No data available.

Flammability Limit - Upper (%)-: No data available.

Flammability Limit - Lower (%)-: No data available.

Vapor pressure: < 0.01kPa (20 °C)

Vapor density (air=1): No data available.

Relative density: 1.8–1.9g/cm³ at 25°C

Solubility(ies)

Solubility in Water: insoluble

Solubility (other): Diethylether.:Dispersable(partial solubilisation)

Common organic solvents.: Miscible (in all proportions).

Aromatic hydrocarbons.: Miscible (in toluene, xylene).

Aliphatic hydrocarbons.: Miscible (in all proportions).

Acetone.: Very slightly soluble.

Safety Data Sheet

Duplication Silicone Material

C – Silicone for Laboratory - Base

Page 4 of 6

Ethanol.: Very slightly soluble.
 Partition coefficient (n-octanol/water): No data available.
 Autoignition Temperature: > 400 °C(Spontaneous ignition temperature)
 Decomposition Temperature: > 200 °C
 Viscosity: No data available.
 Explosive properties: No data available.
 Oxidizing properties: According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

SECTION 10: Stability and reactivity

10.1.Reactivity

Not relevant.

10.2.Chemical stability

It can react with strong oxidising agents.

10.3.Possibility of hazardous reactions

No data available.

10.4.Conditions to avoid

Stable at room temperature.

10.5.Incompatible materials

No data available.

10.6.Hazardous decomposition products

Highly flammable vapours which may generate fire or explosion hazards toxic gases Carbon oxides(CO+CO₂).

SECTION 11: Toxicological information

11.1. Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients).
 Ingestion: No effects expected (assessment based on ingredients).
 Skin contact: No effects expected (assessment based on ingredients).
 Eye contact: No effects expected (assessment based on ingredients).

11.2.Information on toxicological effects

Acute toxicity

Oral:
 Product: No effects expected (assessment based on ingredients).
 Dermal:
 Product: No effects expected (assessment based on ingredients).

Specified substance(s):

Cristobalite No data available.
 White mineral oil (petroleum) No data available.
 Kieselguhr, soda ash fluxcalcined No data available.

Irritation and corrosivity

Product: No effects expected (assessment based on ingredients).
 Repeated dose toxicity:
 Product: No effects expected (assessment based on ingredients).
 Skin corrosion/irritation:
 Product: Not irritant in cutaneous application in rats
 irritation:
 Product: No effects expected (assessment based on ingredients).
 Respiratory or skin sensitization:
 Product: No effects expected (assessment based on ingredients).

Germ cell mutagenicity

In vitro:
 Product: No effects expected (assessment based on ingredients).
 In vivo:

Safety Data Sheet

Duplication Silicone Material

C – Silicone for Laboratory - Base

Page 5 of 6

Product: No effects expected (assessment based on ingredients).
 Carcinogenicity:
 Product: No effects expected (assessment based on ingredients).
 Reproductive toxicity:
 Product: No effects expected (assessment based on ingredients).
 Specific target organ toxicity - single exposure:
 Product: No effects expected (assessment based on ingredients).
 Specific target organ toxicity - repeated exposure:
 Product: No effects expected (assessment based on ingredients).
 Aspiration hazard:
 Product: No effects expected (assessment based on ingredients).
 Other adverse effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity:
 Fish:
 Product: No effects expected (assessment based on ingredients).
 Aquatic invertebrates:
 Product: No effects expected (assessment based on ingredients).
 Chronic Toxicity:
 Fish:
 Product: No effects expected (assessment based on ingredients).
 Aquatic invertebrates:
 Product: No effects expected (assessment based on ingredients).
 Toxicity to Aquatic Plants:
 Product: No effects expected (assessment based on ingredients).

12.2. Persistence and degradability

Biodegradation:
 Product: Not applicable
 BOD/COD ratio:
 Product: No data available.
 Specified substance(s):
 Cristobalite: No data available.
 White mineral oil (petroleum): No data available.
 Kieselguhr, soda ash fluxcalcined: No data available.
 Bioaccumulation potential: Very slightly bioaccumulable

Further information

If the material causes hormonal effects or prevents them is unknown to us.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal Methods

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate in suitable combustion chamber. Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

Safety Data Sheet

Duplication Silicone Material

C – Silicone for Laboratory - Base

Page 6 of 6

SECTION 14: Transport information

UN number: None
class: None
packaging group: None
ocean harmful substances: None
other relevant information: no hazardous good

SECTION 15: Regulatory information

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

National regulatory information

Chemical safety assessment: No data available.

SECTION 16: Other information

Recommended uses: Low temperature curing silicone elastomer.

The information is based on our level of knowledge at the moment at the date of printing and is not intended to be a warranty for the product.