HUGE

Safety Data Sheet

Product Name：Tray Adhesive
Revision date：/
Initial Preparation Date :2024.07.25

Referde to GB/T16483、GB/T17519
SDS number：HGD/QT-TPZJ-09

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

Name of chemical: Tray Adhesive
Company Name: Shandong Huge Dental Material Corporation
Address: No.68 shanhai Road, Donggang District Rizhao City
City, State, Zip Code: Shandong Province, 276800, P.R.China
Telephone:0633-2277285
Website:www.hugedental.com
Relevant identified use of the substance or mixture: To offer reliable adhesion between impression tray and silicone impression material.

SECTION 2: Hazards identification

GHS risk categories:

Classified according to Regulation (EC) No. 1272/2008:

Flam. Liq. 2, H225 Highly flammable liquid

Acute Aquatic Hazard 1, H400 Toxic to aquatic life with long-lasting effects

Label Elements: Labelling according to Regulation (EC) No. 1272/2008:

Physical and chemical hazards: Flammable

Health Hazards:

General Information: In case of accident or if you feel unwell seek medical advice.

Skin contact: Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice.

After inhalation: Provide fresh air.

Eye contact: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After swallowing: Give several small portions of water to drink. Do not induce vomiting.

Other health effects: No other information provided.

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

SECTION 3: Composition/information on ingredients

Chemical characterization

General information: Siloxane（40%-60%）, polysiloxane（40%-60%）, and pigment（＜0.1%）..

Chemical name	Concentration	CAS-No.	Ec No.	REACH Registration No.	Notes
Hexamethyldisiloxane	~50%	107-46-0	-	-	-

SECTION 4: First aid measures

General Information: In case of accident or if you feel unwell seek medical advice.
Skin contact: Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice.
After inhalation: Provide fresh air.
Eye contact: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.
After swallowing: Give several small portions of water to drink. Do not induce vomiting.
Most important symptoms and effects, both acute and delayed: Any relevant information can be found in other parts of this section.
Indication of any immediate medical attention and special treatment needed: Further toxicology information in section 11 must be observed.

SECTION 5: Firefighting measures

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, water mist, sprinkler system, sand, extinguishing powder .

Extinguishing media which must not be used for safety reasons

Water jet .

Advice for firefighters Special Fire Fighting Procedures

Volatile, harmful gas during fire. Exposure to burning ashes can be harmful to your health!

Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection equipment. Keep unprotected persons away. Avoid contact with eyes and skin. If material is released indicate risk of slipping. Do not walk through spilled material.

Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

SECTION 7: Handling and storage

Operating precautions:

Operators should be specially trained and strictly adhere to operating procedures.

Avoid eye and skin contact.

Handle with care during transportation to prevent damage to packaging and containers.

Storage precautions:

Fire and explosion prevention information: Keep away from heat sources and ignition sources, smoking.

Store in a well-ventilated place at 15-25°C.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits

Hexamethyldisiloxane: Not expected to cause a health hazard when mixed in a polymer and processed under normal use conditions.

Personal protection equipment

General information: Handling chemicals in accordance with the relevant industrial hygiene standards. Eat, drink or smoke strictly at work.

Eye protection: Protective goggles, according to acknowledged standards such as EN 166.

Hand protection: Protective gloves made of nitrile rubber and butyl rubber.

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

Respiratory Protection: Provide sufficient ventilation systems.

Environmental Controls: Prevent material from entering surface waters, drains or sewers and soil.

SECTION 9: Physical and chemical properties

Appearance

Physical State:	Liquid
Color:	Blue
Odor:	Slight
pH:	No data
Melting Point:	Not applicable
Boiling Point:	Not applicable
Flash Point:	-6°C（DIN 51755）
Evaporation Rate:	No data
Upper/lower explosive limits	No data
Lower explosion limit (LEL):	No data
Upper explosion limit (UEL):	No data
Vapor pressure:	No data e
Vapor density (air=1):	No data
Relative density:	0.9g/cm^3 (20 °C) Approximate
Solubility in Water:	Practically Insoluble
Partition coefficient (n-octanol/water):	No data
Autoignition Temperature:	340°C（DIN 51794）
Decomposition Temperature:	No data
Viscosity:	No data

SECTION 10: Stability and reactivity

Chemical stability and Possibility of hazardous reactions: If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to avoid: Heat, open flame, or other sources of fire.

Incompatible materials: None known.

Hazardous decomposition products: If stored and handled properly: none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 ° C (302 ° F) through oxidation.

SECTION 11: Toxicological information

Main components of the product: Siloxane, polysiloxane, and pigment.

Acute toxicity: Based on the available data acute toxic effects are not expected after single oral exposure. Based on the available data acute toxic effects are not expected after single dermal exposure. Based on the available data acute toxic effects are not expected after short-term inhalative exposure.

Skin corrosion/irritation: Based on the available data a clinically relevant skin irritation hazard is not expected.

Serious eye damage/eye irritation： Based on the available data a clinically relevant eye irritation hazard is not expected.

Respiratory or skin sensitisation: Based on the available data a sensitization reaction is not expected from this product.

Germ cell mutagenicity: Based on known data a significant mutagenic potential may be excluded.

Carcinogenicity: Animal tests have not revealed any carcinogenic effects.

Reproductive toxicity: Animal tests have shown no indications of possibility of damage to embryo and impairment of fertility.

Specific target organ toxicity - single exposure: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity - repeated exposure: In animal experiments with repeated exposure no effects with relevance for humans were observed.

Aspiration hazard: For this endpoint no toxicological test data is available for the whole product.

Information on other hazards

Endocrine disrupting properties: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further toxicological information: May cause skin irritation at prolonged/repeated contact with the product.

SECTION 12: Ecological information

Ecological Toxicity： Very toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Persistence and degradability： The substance is degradable in abiotic processes.

Bioaccumulation potential: Under experimental conditions the substance showed an increased potential for bioaccumulation.

Mobility in soil: The partition coefficient soil/water (logKoc) indicates a medium mobility in soil.

Results of PBT and vPvB assessment: This product contains no relevant substances considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

Endocrine disrupting properties: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other adverse effects: None known

SECTION 13: Disposal considerations

Waste treatment methods: Incinerate in suitable combustion chamber.Contaminated packages should be as empty as possible.
Recommendation: Dispose of in an appropriate landfill or incineration facility in accordance with local, state, and federal regulations.
Unclean packaging: Handle contaminated packaging as you would the substance itself.
Recommendation: Disposal must be in accordance with official regulations.

SECTION 14: Transport information

Land transport ADR/RID and GGVS/GGVE (Germany): UN1993, Dangerous Chemicals N.A.G., 3, II (Hexamethyldisiloxane)
Maritime transport IMDG: UN 1993, Flammable Liquid, N.O.S., 3, II (Hexamethyldisiloxane)
Air transport ICAO-TI and IATA-DGR: UN 1993, Flammable Liquid, N.O.S., 3, II (Hexamethyldisiloxane)
Transport regulations are cited according to international regulations and the form applicable in Germany. National deviations that may exist in other countries are not taken into account.

SECTION 15: Regulatory information

National regulatory information

Chemical safety assessment: No data available

SECTION 16: Other information

No further technical information

The present data sheet contains technical-scientific information processed at best of our knowledge.We recommend verifying national and regional regulations applicable to the specific utilize field as well as regulations relative hygienic and safety on work and environment worship.

All information contained in the present data sheet is correct and processed in good faith. However they do not involve any obligation, guarantee and patent concession. The characteristics mentioned in the following document do not constitute contractual specifications.