

Product Name: 柔性树脂块
Revision date: 2024.7.19
Initial Preparation Date :2019.07.15

Referde to GB/T16483、GB/T17519
SDS number: HGD/QT-RXSZK-15
Version: 01

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

Chinese names of chemicals : 柔性树脂块

English names of chemicals: Flexible Block

Company Name: Shandong Huge Dental Material Corporation

Address: No.68 shanghai Road, Donggang District Rizhao City

City, State, Zip Code: Shandong Province, 276800, P.R.China

Telephone:86-633-2277268

email address:marketing@hugedental.com

Website:www.hugedental.com

Relevant identified uses of the substance or mixture and uses advised against: Intended for dental plates, bite plates, frame-works, clasps, personal trays, appliances, occlusal splints and night molar jaw pads.

SECTION 2: Hazards identification

GHS risk categories:

Label elements:No risks worthy of mention.

Health hazards:

Inhalation: Inhalation of dust produced by polishing or grinding may cause discomfort in the eye or respiratory tract.

Eye contact: No specific symptoms noted.

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.

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: Polyamide 12 ($\leq 97\%$), Pigment ($\leq 3\%$).

| Chemical name | Concentration | CAS-No. | Ec No | REACH Registration No. | Notes |
|---------------|---------------|------------|-------|------------------------|-------|
| Polyamide 12 | $\leq 97\%$ | 25038-74-8 | - | - | - |

SECTION 4: First aid measures

After inhalation:

Take fresh air and seek medical attention if you feel unwell.

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**Suitable extinguishing media**

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

Extinguishing media which must not be used for safety reasons

Water with full jet.

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**Personal precautions, protective equipment and emergency procedures**

Avoid build up of dust. Use breathing protection (Fine dust mask FFP) when exposed to dust. Use personal protective equipment (overalls, protective glasses and protective gloves).

Environmental precautions

Report releases as required by local and national authorities.

Methods and material for containment and cleaning up

For dust from grinding or polishing products: Contain spills, sweep or gather spilled material in a manner that minimizes the generation of airborne dusts, and transfer to a suitable container for disposal.

SECTION 7: Handling and storage**Precautions for safe handling**

Avoid breathing dust. Use adequate ventilation for polishing or grinding operations. Wash hands thoroughly after polishing or grinding teeth. Use good housekeeping to minimize accumulation of dust.

Conditions for safe storage, including any incompatibilities

No special storage required.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits

Polyamide 12 : It is not expected to pose a health hazard when processed under normal conditions of use.

Exposure controls

General information: No specific precautions.

Eye/face protection: None particular precaution should be taken with normal usage. When the product is grinded or polished, use protective glasses.

Hand protection: None particular precaution should be taken with normal usage.

Respiratory Protection: use localized aspiration of dusts and/or protective mask.

Hygiene measures: Provide a hand sink and safety shower.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Appearance

Physical State: Solid
Color: Various
Odor: Odorless
Odor Threshold: No data available.

pH: Not applicable

Melting Point: No data available.

Boiling Point: No data available.

Flash Point: No data available

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: No data available

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

Relative density: No data available

Solubility(ies)

Solubility in Water: Practically Insoluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: No data available

Decomposition Temperature: No data available

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

Reactivity:Not relevant.

Chemical stability:Stable

Possibility of hazardous reactions:No data available.

Conditions to avoid:No other information noted.

Incompatible materials:None in particular.

Hazardous decomposition products:The decomposition may release carbon oxides, methyl methacrylate, and irritating fumes.

SECTION 11: Toxicological information

Main components of the product:Polyamide 12, and the pigment

Acute toxicity: No effects expected (assessment based on ingredients).

Skin corrosion/irritation:No effects expected (assessment based on ingredients)

Irritation and corrosivity: No effects expected (assessment based on ingredients)

Germ cell mutagenicity: No effects expected (assessment based on ingredients).

Carcinogenicity:No effects expected (assessment based on ingredients).

Reproductive toxicity:No effects expected (assessment based on ingredients).

Specific target organ toxicity - single exposure: No effects expected (assessment based on ingredients).

Specific target organ toxicity - repeated exposure: No effects expected (assessment based on ingredients).

Aspiration hazard:No effects expected (assessment based on ingredients).

Other adverse effects: None known.

SECTION 12: Ecological information

Ecological Toxicity: No effects expected (assessment based on ingredients).

Persistence and degradability: Not applicable

Bioaccumulation potential: No data available

Further information

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

SECTION 13: Disposal considerations

Waste treatment methods:

Recycle as much 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.

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.

SECTION 14: Transport information

Marine pollutants (Yes/No): No.

Precautions for transportation:

Avoid hard collisions during transportation, movement, and storage.

SECTION 15: Regulatory information

National regulatory information

Chemical safety assessment: No data available

SECTION 16: Other information

Revision details compared to the previous version:

Updated the LOGO .

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.