

MSDS Report

Report No.: XBD2020080059

Page 1 of 12

Applicant: Huliang(Shanghai) Bio-Tech Co., Ltd
Room 303, Building 5, Lane 2388,
Xiupu Road, Pudong, Shanghai, P.R. China

Sample Description

Trade Name : PMMA Block
Data Reviewed : Sep 2, 2020

Based on the information provided by the applicant, this Material Safety Data Sheet (MSDS) was generated in accordance with requirements of EU regulation (EC) No 2015/830 and (EC) No 1272/2008, for more details please refer to the following attached pages.

This report shall not be reproduced except in full, without the written approval of Shanghai New Berth Trading Co., Ltd.

Review and approved by:

吴品

Signed for and on behalf of Shanghai

New Berth Trading Co., Ltd.

Seal:



MSDS Report

Report No.: XBD2020080059

Page 2 of 12

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : PMMA Block

Recommended use of the chemical and restrictions on use

Identified use : Materials of denture mode.

Details of the supplier of the safety data sheet

Huliang(Shanghai) Bio-Tech Co., Ltd
Room 303, Building 5, Lane 2388, Xiupu
Road, Pudong, Shanghai, P.R. China

Emergency telephone number

Tel: +86-21-2095 2966, or contact your local
emergency telephone number.

Product Information

Tel: +86-21-2095 2966
E-mail: walkerwang@leongy.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification (REGULATION (EC) No 1272/2008)

This is PMMA block product with no intentionally released and it does not constitute hazardous materials in solid form, it is therefore meet the definition of article set out in EU regulation (EC) No 1907/2006 and is exempted from the MSDS communication obligation over the supply chain, the information contained in this MSDS is supplied at the customer's request for information only.

This product is an article and is not considered as hazardous under regulation (EC) No 1272/2008, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

This product is not considered hazardous under regulation (EC) No 1272/2008. There is no evidence to suggest that this material presents adverse physicochemical, human health and environmental effects during use and handling under normal safe working conditions, however, this product might



MSDS Report

Report No.: XBD2020080059

Page 3 of 12

cause hazards if this product is not used as directed or being abused. Please follow the recommendations of the manufacturer or safety instruction on the label of product.

GHS label elements

This product contains no substances which at their given concentration, are considered to be hazardous to health, so no label elements should be shown on this section.

Signal word : Not applicable

Hazard statements : Not applicable

Precautionary statements : Not applicable

Other hazards

Harmful dust is produced during dry-state pulverization.

Inhalation of dust may cause irritation of the respiratory system.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product form : Manufactured article

Hazardous components

This is a manufactured article defined by EU regulation (EC) No 1907/2006.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. The following is provided upon customer's request for information only.

Chemical Name	CAS number	Classification (REGULATION (EC) No 1272/2008)	Content (%by weight)
POLYMETHYL METHACRYLATE (PMMA)	9011-14-7	Non-hazardous/not classified	≥ 99 -<100
TITANIUM DIOXIDE (TiO ₂)	13463-67-7	Non-hazardous/not classified	≥ 0 -<1

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special aid measures.



MSDS Report

Report No.: XBD2020080059

Page 4 of 12

- If inhaled : No specific first aid measures noted.
If symptoms persist, call a physician.
- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
If symptoms persist, call a physician.
- In case of eye contact : No specific first aid measures noted.
Rinse eyes with large amounts of water for 5 minutes.
Remove contact lenses.
Protect unharmed eye.
If symptoms persist, call a physician.
- If swallowed : No specific first aid measures noted.
Material is not intended to be ingested or eaten.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : No symptoms known or expected.
- Notes to physician : No hazards which require special first aid measures.
Remove the source of irritation and treat symptoms as necessary. Apply cortisone spray at early stage.

SECTION 5. FIRST AID MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water mist/Foam/Dry chemical/Carbon dioxide (CO₂)
- Specific hazards during firefighting : There is no potential for spontaneous fire or explosion. Avoid excessive inhalation of smoke or potential thermal decomposition products.
- Hazardous combustion products : No hazardous combustion products are known.
- Specific extinguishing methods : Product is compatible with standard fire-fighting



MSDS Report

Report No.: XBD2020080059

Page 5 of 12

agents.

Further information : Standard procedure for chemical fires.

Specical protective equipment : In the event of fire, wear full protective clothing and
for firefighters Self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Perssonal precautions, : Persons not wearing protective equipment should be excluded
protective equipment and from area of spill until clean-up has been completed.
emergency procedures Avoid breathing dust /vapor/mist.
Use personal protection equipment.

Environmental precautions : No special environmental measures are necessary.
Avoid release to the environment.

Methods and materials for : Wet clean or vacuum up solids.
containment and cleaning up Use approved indusrial vacuum cleaner for removal.
Do not use a dry brush as dust clouds or static can be created.
Keep in suitable,closed containers for disposal or reuse.

Other information : Comply with all applicable regional and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Low hazard for usual industeial or commercial handling.
Observe good industial hygiene practices.
If local exhaust ventilation is not possible or not sufficient, the
Entire working area should be ventilated by technical means.
For personal protection see section 8.

Conditions for safe storage : Store in dry and well-ventilated place.
Keep well sealed to prevent contamination and absorbtion of
humidity.

Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult: 400-778-0551

After sales: 021-56885258

Location: No. 2999 Panjing Road, Baoshan District, 201908, Shanghai



MSDS Report

Report No.: XBD2020080059

Page 6 of 12

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Titanium dioxide	13463-67-7	TWA (Respirable)	4 mg/m3 Respirable	EH40 WEL
		TWA (Inhalable)	10 mg/m3 Inhalable	EH40 WEL

- Engineering measures : General room ventilation should be adequate for normal conditions of use.
Provide appropriate exhaust ventilation at places where dust is formed.
- Personal protective equipment : No personal respiratory protective equipment normally required.
- Respiratory protection : If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- Eye protection : Dust protection eye glasses are recommended to keep dust out of the eyes if handling with large quantities.
- Skin and body protection : Wear suitable gloves (EN 388) and protective clothing if handling with large quantities.
- Hygiene measures : Observe good industrial hygiene practices.
Avoid to create dust when handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : White solid (manufactured article)
- Color : Beige, White, Pink, Transparent
- Odour : Odorless
- Odour Threshold : Comply with all applicable regional and local regulations.
- pH
- Melting point/freezing point : 270 °C
- Boiling point/boiling range : No data available
- Flash point : Not applicable
- Evaporation rate : Not applicable
- Flammability : Non-flammable solid



MSDS Report

Report No.: XBD2020080059

Page 7 of 12

Upper explosion limit	:	Non explosive
Lower explosion limit	:	Non explosive
Vapour pressure	:	Not applicable
Relative vapour density	:	No data available
Density	:	1.4-1.6 g/cm ³
Water solubility	:	Insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Thermal decomposition	:	>250°C
Viscosity	:	Not applicable
Oxidizing properties	:	Not a oxidizer

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist/Foam/Dry chemical/Carbon dioxide (CO ₂)
Chemical stability	:	There is no potential for spontaneous fire or explosion. Avoid excessive inhalation of smoke or potential thermal decomposition products.
Possibility of hazardous reactions	:	No hazardous combustion products are known.
Conditions to avoid	:	Product is compatible with standard fire-fighting agents.
Incompatible materials	:	Standard procedure for chemical fires.
Hazardous decomposition products	:	When thermal decomposition occurs, flammable vapours, Which are irritating to the eyes and respiratory system. These mainly consist of methyl methacrylate and methyl acrylate

SECTION 11. TOXICOLOGICAL INFORMATION

Consult: 400-778-0551

After sales: 021-56885258

Location: No. 2999 Panjing Road, Baoshan District, 201908, Shanghai



MSDS Report

Report No.: XBD2020080059

Page 8 of 12

Information on likely routes of exposure : Inhalation, Skin contact, Eye Contact, Ingestion

Acute toxicity : Not classified based on available information

Skin corrosion/irritation : Not classified based on available information.

Serious eye damage/eye irritation : Not classified based on available information.
(Unlikely to cause eye irritation or injury.)

Respiratory or skin sensitisation : Not classified based on available information.

Germ cell mutagenicity : Not classified based on available information.

Carcinogenicity : Not classified based on available information.

Reproductive toxicity : Not classified based on available information.

STOT-single exposure : Not classified based on available information.

STOT-repeated exposure : Not classified based on available information.
(Unlikely to cause eye irritation or injury.)

Aspiration toxicity : Not classified based on available information.

Further information : No data available

SECTION 12. ECOLOGICAL INFORMATION

Acute aquatic toxicity : Not classified based on available information

Chronic aquatic toxicity : Not classified based on available information

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

Other adverse effects : No data available

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : Dispose of in accordance with all applicable regional and local



MSDS Report

Report No.: XBD2020080059

Page 9 of 12

relevant disposal regulations.

SECTION 14. TRANSPORTATION INFORMATION

International transport regulations

14.1 UN number

ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.2 Proper shipping name

ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.3 Transport hazard class

ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.4 Packing group

ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.5 Environmental hazards

ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good



MSDS Report

Report No.: XBD2020080059

Page 10 of 12

IMDG : Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Special Precautions: Refer to Chapter 7, Handling & Storage,
For special precautions which a user needs to be aware of or
needs to company with in connection with transport.

SECTION 15. ECOLOGICAL INFORMATION

Safety, health and environmental regulations/legislation : Not applicable

REACH-Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH-List of substances subject to authorization (Annex XIV). : Not applicable

REACH-Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII). : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

SECTION 16. OTHER INFORMATION

Further information

Revision Date: Sep 2, 2020

Disclaimer

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by us to be



MSDS Report

Report No.: XBD2020080059

Page 11 of 12

dependable and is accurate to the best of our knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. We assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

ACGIH: American Conference of Industrial Hygienists

BEI: Biological Exposure Index

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

CMR: Carcinogenic, Mutagenic or Toxic for Reproduction

FG: Food grade

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association"(IATA)

ICAO: International Civil Aviation Organization

ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"

IMDG: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

LogPow: octanol-water partition coefficient

LCxx: Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population

ICxx: Inhibitory Concentration for xx of a substance

Ecxx: Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD: Organization for Economic Co-operation and Development

OEL: Occupational Exposure limit

PBT: Persistent, Bioaccumulative and Toxic

PPE: Personal Protective Equipment

STEL: Short-term exposure limit

STOT: Specific Target Organ Toxicity

TLV: Threshold Limit Value



MSDS Report

Report No.: XBD2020080059

Page 12 of 12

TWA: Time-weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: Department of Transportation

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC: Hazardous Materials Information Review Commission

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

****End of report****

