

Applicant: Qingdao Goodyard International E-commerce Co., Ltd.
Address: B12 Building, M6 Creative Park, No. 46 Siliuzhong Road, Licang District, Qingdao, China 266000

Sample information:

Sample name: ULTRADUR® B 4500 NATURAL POLYBUTYLENE TEREPHTHALATE

Model: /

Sample composition/raw material (supplied by client): Refer to section 3 of the MSDS "Composition/Information on Ingredient"

Edit period: From June 6, 2018 to June 10, 2018

Required service : As specified by the client, to edit Material Safety Data Sheet (MSDS) by the submitted sample information.

Summary : As specified by the client, This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200). Please refer to the attached report for details.

Shanghai Fajin Testing Technology Co.,Ltd

Approved by  

Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 7. and The EU CLP REGULATION (EC) No 1272/2008

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: ULTRADUR® B 4500 NATURAL POLYBUTYLENE TEREPHTHALATE
Product Model: /

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

Identified uses: ULTRADUR® B 4500 NATURAL POLYBUTYLENE TEREPHTHALATE
Use advised against: No data available.

1.3 Details of the Manufacture or supplier

Manufacture: BASF New Materials Co., Ltd.
Address: B12 Building, M6 Creative Park, No. 46 Siliuzhong Road, Licang District, Qingdao, China 266000
Telephone: +86 21 5861-1199
Fax: +86 21 20394830
Email: mei.huang@basf.com

1.4 Emergency telephone number

Emergency Telephone: +86 21 5861-1199

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as dangerous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

2.2 GHS Label elements, including precautionary statements

Pictogram(s): No pictogram is used.
Signal Word: No signal word is used.
Hazard Statement: No hazard statement.
Precautionary statements: No precautionary statement.

2.3 Description of any hazards not otherwise classified

No additional information available.

Section 3 - Composition/Information on Ingredient

Substance (✓) Preparation () Article ()

Composition:

Chemical name	CAS No.	Content (%)
ULTRADUR® B 4500 NATURAL POLYBUTYLENE TEREPHTHALATE; Based on: 1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol; 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,4-butanediol(PBT);	26062-94-2	100

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

Section 4 - First Aid Measures

4.1 Description of first aid measures:

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with soap and plenty of water. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

Inhalation: If dust and melted fume exists, Remove to fresh air. Get medical attention if feel unwell.

Ingestion: No significant effects and influences. Rinse mouth with water. Give 2 glasses of water to drink. Get medical attention if feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 -Extinguishing media

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Will burn at elevated temperature or open flame. Decomposition products formed under fire conditions. - Carbon monoxide, carbon dioxide, Hydrocarbons, etc..

5.3 Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Move container from fire if safe.

5.4 Further information

Avoid dust generation, as dispersion of dust into air may cause the potential explosion hazard.

Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Avoid dust generation. Avoid inhaling dust. Use suitable personal protective equipment. Do not touch or walk through spilled material.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment should be avoided.

6.3 Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Eliminate all ignition sources. Ventilate the spill area. Floor may be slippery, use care to avoid falling. Sweep up and shovel. Keep in suitable, closed containers for disposal. For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust or fume of high temperature is formed.

Wear suitable personal protective equipment in section 8.

Avoid formation of dust and aerosols. Avoid inhaling dust.

Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

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Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai
Tel:+86-021-69580886, Fax:+86-021-69580886 E-mail:624160814@qq.com, website: www.m-sds.com

Store in cool place. Keep package tightly closed in a dry and well-ventilated place. Do not store together with strong oxidizing agent. Keep away from fire and heat.

Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits: Not established by US OSHA and ACGIH.

8.2 Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation at places where dust or fume/vapor is formed.

Personal protective equipment:

Respiratory Protection: Wear NIOSH approved full or half face piece (with goggles) respiratory protective equipment when necessary.

Eyes Protection: An eye wash unit and safety shower station should be available nearby work place. Wear safety glasses to protect eyes when working with molten material.

Body Protection: In production, use normal work suit is enough.

Hands Protection: It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Particle-shaped solid
Color	White
Odor	Odorless
pH	Not applicable.
Melting point/freezing point	220-230°C.
Initial boiling point and boiling range	Unable to determine due to decomposition of substance/product.
Flash point	Not available.
Ignition temperature	Not available.

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Evaporation rate	Not applicable.
Flammability	Not flammable.
Explosive limit %(V/V)	Not available.
Vapor pressure	Negligible (20°C)
Vapor density	Not applicable.
Relative density	1.25-1.35g/cm ³ .
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Ignition temperature	350°C.
Decomposition temperature	Not available.
Viscosity	Not available.

Section 10 - Stability and Reactivity

10.1 Stability: Stable under normal storage temperature and pressure.

10.2 Conditions to Avoid: Extremes of temperature, flames and mars. Avoid dispersion of dust.

10.3 Incompatible materials: Strong oxidizing agents.

10.4 Hazardous Decomposition Products: Other decomposition products- no data available. In the event of fire:see section 5.

10.5 Possibility of hazardous reactions: No known hazardous reaction under normal condition.

Section 11 - Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No known irritating effect.
Serious Eye Damage/Eye Irritation:	No known irritating effect.
Respiratory or Skin Sensitization	No sensitizing effects known.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity:	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the European Directive (67/548/EEC).
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single	No known human health effects upon single exposure.
Exposure (Globally Harmonized System):	

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No known human health effects upon repeated exposure.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	
Inhalation:	Avoid inhaling dust. Exposure to small amount of dust is not expected to present a hazard. Inhalation fumes from hot-molten resin may cause irritation to respiratory tract.
Skin Contact:	No irritating effect except possible mechanical stimulation similar to sand or dust. Molten material will produce thermal burns.
Eye Contact:	No irritation effect under normal temperature. Fumes from hot-molten resin may cause eyes irritation.
Ingestion:	Not an expected route of exposure. Swallowing small amounts is not likely to have significant effect. Swallowing large amounts may be harmful.

Section 12 - Ecological Information

12.1 Toxicity

High molecular weight polymers, expected to be low toxicity or nonhazardous to environment under normal usage.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No bioaccumulative potential

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No known ecological damage caused by this product.

Section 13 - Disposal Considerations

Waste treatment methods

Product

Non hazardous waste. Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Dispose of as unused product after empty.

Section 14 - Transport Information

14.1 UN Number:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

14.2 UN proper shipping name:

ADR/RID, IMDG, IATA Not dangerous goods

14.3 Transport hazard class(es):

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

14.4 Packing group:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

14.5 Environmental hazards: No.

14.6 Special precautions for user: No information available.

Section 15 - Regulatory Information

EU Regulations

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified.

US Regulations

OSHA: OSHA Hazard Communication Standard Status: This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

USA CERCLA:

CERCLA Reportable Quantity (RQ): This product has not been assigned a reportable quantity.

USA SARA

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III,

Section 302.

SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 16 - Additional Information

Abbreviations:

pH-	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14
OSHA-	Occupational Safety and Health Administration
NTP-	National Toxicology Program
IARC-	International Agency for Research on Cancer
CAS#-	Chemical Abstract Service number - used to uniquely identify chemical compounds
ACGIH-	The American Conference of Governmental Industrial Hygienists
ADR-	Agreement on Dangerous Goods by Road
IATA -	International Air Transport Association
IMDG-	International Maritime Dangerous Goods

Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200).

-The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Department Issuing MSDS: Qingdao Goodyard International E-commerce Co., Ltd.

Issue Date: June 10, 2018

End of MSDS