



The Chemical Company

Safety data sheet

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE

Revision date : 2007/01/08
Version: 1.0

Page: 1/5
(30036525/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Molecular formula: (C₁₂H₁₂O₄)_n
Synonyms: Poly(butylene terephthalate)

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
26062-94-2	>= 30.0 - <= 60.0 %	polybutylene terephthalate (PBT)
30965-26-5	>= 30.0 - <= 60.0 %	polybutylene terephthalate (PBT)
65997-17-3	>= 5.0 - <= 20.0 %	Glass, oxide, chemicals
1333-86-4	>= 0.1 - <= 1.0 %	carbon black

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
Use with local exhaust ventilation.
Wear a NIOSH-certified (or equivalent) particulate respirator.
Wear protective clothing.
Eye wash fountains and safety showers must be easily accessible.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

Repeated dose toxicity:

No known chronic effects.



Safety data sheet

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE

Revision date : 2007/01/08

Version: 1.0

Page: 2/5

(30036525/MDS_GEN_US/EN)

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Assist in breathing if necessary. Keep patient calm, remove to fresh air. Consult a physician.

If on skin:

Burns caused by molten material require hospital treatment.

If in eyes:

If irritation develops, seek medical attention. In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

If swallowed:

Ingestion is not likely in the available physical form. If ingested, seek medical attention.

5. Fire-fighting measures

Autoignition:

350 °C

(ASTM D1929)

Suitable extinguishing media:

water, foam, dry extinguishing media

Hazards during fire-fighting:

carbon monoxide, tetrahydrofuran, can be emitted at > 290 °C

Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Cleanup:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Further information:

High risk of slipping due to leakage/spillage of product.

7. Handling and storage

Handling

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed. Avoid deposition of dust.



Safety data sheet

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE

Revision date : 2007/01/08

Version: 1.0

Page: 3/5

(30036525/MDS_GEN_US/EN)

Storage stability:

Protect against moisture.

8. Exposure controls and personal protection

Components with workplace control parameters

Glass, oxide, chemicals

ACGIH	TWA value 5 mg/m3 Inhalable fraction ; TWA value 1 fibers/cm ³ Fiber ; TWA value 1 fibers/cm ³ Fiber ; TWA value 0.2 fibers/cm ³ Fiber ;
OSHA	PEL 3.5 mg/m3 ;
ACGIH	TWA value 3.5 mg/m3 ;

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

Eye protection:

Safety glasses

Body protection:

Body protection must be chosen based on level of activity and exposure.

9. Physical and chemical properties

Form:	granules
Odour:	odourless
Colour:	various, depending on the colourant
melting range:	220 - 230 °C (DIN 53736)
Density:	1.3 - 1.8 g/cm ³ (EN ISO 1183-1)
Bulk density:	600 - 900 kg/m ³
Solubility in water:	insoluble

10. Stability and reactivity

Conditions to avoid:

> 290 degrees Celsius

Decomposition products:

Hazardous decomposition products: carbon monoxide, tetrahydrofuran

11. Toxicological information



Safety data sheet

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE

Revision date : 2007/01/08
Version: 1.0

Page: 4/5
(30036525/MDS_GEN_US/EN)

Chronic toxicity

Other information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Experience shows this product to be inert and non-degradable.

Bioaccumulation:

The product will not be readily bioavailable due to its consistency and insolubility in water..

13. Disposal considerations

Waste disposal of substance:

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

Container disposal:

Packs must be completely emptied. Completely emptied packagings can be given for recycling.

14. Transport information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US

released / listed



Safety data sheet

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE

Revision date : 2007/01/08

Version: 1.0

Page: 5/5

(30036525/MDS_GEN_US/EN)

SARA hazard categories (EPCRA 311/312): Not hazardous

State regulations

State RTK

CAS Number

65997-17-3

1333-86-4

Chemical name

Glass, oxide, chemicals

carbon black

State RTK

MA, NJ, PA

MA, NJ, PA

16. Other information

HMIS III rating

Health: 1

Flammability: 1

Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

Tech Desk

1-800-527-8324

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE is a registered trademark of BASF Corporation or BASF AG

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET

