

Safety data sheet

ULTRADUR® B 4300 G2 BLACK 05110 POLYBUTYLENE TEREPHTHALATE

Revision date : 2007/01/08

Version: 1.0

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(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.



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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.



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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/cm³ Fiber ; TWA value 1 fibers/cm³ Fiber ; TWA value 0.2 fibers/cm³ Fiber ;
OSHA PEL 3.5 mg/m³ ;
ACGIH TWA value 3.5 mg/m³ ;

Advice on system design:

Advice on system design:

Personal protective equipment

Respiratory protection:

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

Hand protection:

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

Eye protection:

Eye protection

Body protection:

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/cm3 (EN ISO 1183-1)
Bulk density:	600 - 900 kg/m3
Solubility in water:	insoluble

10. Stability and reactivity

Conditions to avoid:

conditions to avoid:
> 290 degrees Celsius

Decomposition products:

Decomposition products: Hazardous decomposition products: carbon monoxide, tetrahydrofuran

11. Toxicological information



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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



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

State regulations

State RTK

CAS Number	Chemical name	State RTK
65997-17-3	Glass, oxide, chemicals	MA, NJ, PA
1333-86-4	carbon black	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

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