

## Safety Data Sheet

### ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date : 2025/08/05  
Version: 6.0

Page: 1/11  
(30036585/SDS\_GEN\_MX/EN)

#### 1. Identification

**Product identifier used on the label**

**ULTRADUR® B 4040 G6 BLACK Q29 15075  
POLYBUTYLENE TEREPHTHALATE**

**Recommended use of the chemical and restriction on use**

Recommended use\*: Polymer

Recommended use\*: Polymer; for industrial processing only

Suitable for use in industrial sector: Polymers industry

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

Company:

BASF Mexicana S.A. de C.V.  
Av. Insurgentes Sur 975  
Col. CD. De Los Deportes,  
C.P. 03710 Ciudad de México  
MÉXICO

Telephone: +52 55 5325 2600

**Emergency telephone number**

24 Hour Emergency Response Information

SETIQ: 1800-00-214-(Rep. Mexicana) or 55-59-15-88 (CDMX)

Telephone: +1-800-849-5204 or +1-833-229-1000

**Other means of identification**

Chemical family: polyester resin  
Synonyms: polyethersulfone

---

#### 2. Hazards Identification

According to Regulation NOM-018-STPS-2015

**Classification of the product**

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 2/11  
(30036585/SDS\_GEN\_MX/EN)

Repr. 2 (fertility) Reproductive toxicity

### Label elements

Pictogram:



Signal Word:  
Warning

Hazard Statement:  
H361 Suspected of damaging fertility.

Precautionary Statements (Prevention):  
P280 Wear protective gloves, protective clothing and eye protection or face protection.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.

Precautionary Statements (Response):  
P308 + P313 IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):  
P405 Store locked up.

Precautionary Statements (Disposal):  
P501 Dispose of contents/container in accordance with local regulations.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

### According to Regulation NOM-018-STPS-2015

Polyethyleneterephthalate (PET)  
CAS Number: 25038-59-9  
Content (W/W):  $\geq 10.0$  -  $\leq 30.0\%$   
Synonym: Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)-  
bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate  
CAS Number: 52829-07-9  
Content (W/W):  $\geq 0.1$  -  $\leq 1.0\%$   
Synonym: Decanedioic acid bis(2,2,6,6-tetramethyl-4-piperidinyl) ester;  
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 3/11  
(30036585/SDS\_GEN\_MX/EN)

The actual concentration is withheld as a trade secret.

---

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing.

##### If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

##### If on skin:

Wash thoroughly with soap and water Burns caused by molten material require hospital treatment.

##### If in eyes:

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

##### If swallowed:

Rinse mouth and then drink 200-300 ml of water. Ingestion is not likely in the available physical form. If ingested, seek medical attention. Do not induce vomiting.

#### Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and / or effects are not known so far

Hazards: No hazard is expected under intended use and appropriate handling.

#### Indication of any immediate medical attention and special treatment needed

##### Note to physician

Treatment:	Treat according to symptoms (decontamination, vital functions), no known specific antidote.
------------	---

---

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, foam, dry powder

Unsuitable extinguishing media for safety reasons:  
water jet

#### Special hazards arising from the substance or mixture

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.

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 4/11  
(30036585/SDS\_GEN\_MX/EN)

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

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

---

## 6. Accidental release measures

### Further accidental release measures:

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

### Personal precautions, protective equipment and emergency procedures

No special precautions necessary.

### Environmental precautions

No special precautions necessary.

### Methods and material for containment and cleaning up

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

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

For residues: Sweep/shovel up.

Dispose of absorbed material in accordance with regulations.

---

## 7. Handling and Storage

### Precautions for safe handling

Avoid inhalation of dusts/mists/vapours.

Protection against fire and explosion:

Take precautionary measures against static discharges.

### Conditions for safe storage, including any incompatibilities

The product in undamaged packing need not be stored separately.

Suitable materials for containers: Low density polyethylene (LDPE), High density polyethylene (HDPE), Aluminium, Carbon steel (Iron)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Avoid dust formation, product dust can form an explosive mixture with air.

Storage stability:

Protect against moisture.

---

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

Carbon black                      OEL, MX:              TWA value 3 mg/m3 Inhalable fraction ;

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 5/11  
(30036585/SDS\_GEN\_MX/EN)

### Advice on system design:

Provide local exhaust ventilation to control dusts/vapours.

### Personal protective equipment

#### Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator. Wear respiratory protection if ventilation is inadequate. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination.

#### Hand protection:

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

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

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

#### General safety and hygiene measures:

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. After use of gloves apply skin-cleaning agents and skin cosmetics.

## 9. Physical and Chemical Properties

Physical state:	solid	
Form:	pellets	
Odour:	odourless	
Odour threshold:	not applicable	
Colour:	various, depending on the colourant	
pH value:	not applicable	
melting range:	220 - 230 °C ( 1,013 hPa)	(DIN 53736)
Freezing point:	No data available.	
Melting point:	No data available.	
Boiling range:	The substance / product decomposes therefore not determined.	
Sublimation point:	No data available.	
Flash point:	No data available.	
Flammability:	not self-igniting	(derived from flash point)
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Autoignition:	350 °C	(ASTM D1929)
Vapour pressure:	not applicable	

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 6/11  
(30036585/SDS\_GEN\_MX/EN)

Density:	1.3 - 1.8 g/cm <sup>3</sup> ( 20 °C, 1,013 hPa)	(EN ISO 1183-1)
Relative density:	Study does not need to be conducted.	
Bulk density:	600 - 900 kg/m <sup>3</sup> ( 20 °C, 1,013 hPa)	(DIN 53466)
Relative vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	> 290 °C (TGA) Thermal decomposition above the indicated temperature is possible.	
Viscosity, dynamic:	not applicable, the product is a solid	
Viscosity, kinematic:	not applicable, the product is a solid	
Solubility in water:	( 20 °C, 1,013 hPa) insoluble	
Solubility (quantitative):	No data available.	
Solubility (qualitative):	No data available.	
Evaporation rate:	The product is a non-volatile solid.	

### Particle characteristics

Particle size distribution: spheroidal

Specific Surface Area: 0.0 m<sup>2</sup>/g (MSSA, ISO 9227)

## 10. Stability and Reactivity

### **Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

### **Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

The product is chemically stable.

### **Possibility of hazardous reactions**

The product is chemically stable.

No hazardous reactions known.

### **Conditions to avoid**

Temperature: > 290 degrees Celsius

### **Incompatible materials**

No substances known that should be avoided.

### **Hazardous decomposition products**

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 7/11  
(30036585/SDS\_GEN\_MX/EN)

Decomposition products:

Possible decomposition products: carbon monoxide, tetrahydrofuran, terephthalic acid, carbon dioxide, Water, Gaseous products of degradation can be given off if the product is greatly overheated.

Thermal decomposition:

> 290 °C (TGA)

Thermal decomposition above the indicated temperature is possible.

---

## 11. Toxicological information

### Primary routes of exposure

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

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

#### Oral

Type of value: ATE

Value: > 5,000 mg/kg

#### Inhalation

Not inhalable due to the physico-chemical properties of the product.

#### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Thermal decomposition products of the substance can irritate the eyes, skin, and respiratory tract.

#### Sensitization

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

#### Aspiration Hazard

No aspiration hazard expected.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 8/11  
(30036585/SDS\_GEN\_MX/EN)

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

### Genetic toxicity

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

### Carcinogenicity

*Information on: Carbon black*

*Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice.*

-----

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate*

*Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect.*

-----

### Teratogenicity

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

### 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

### **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the structure of the product. There is a high probability that the product is not acutely harmful to aquatic organisms.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)

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

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.



# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 9/11  
(30036585/SDS\_GEN\_MX/EN)

### Elimination information

Poorly biodegradable.

### Assessment of stability in water

According to structural properties, hydrolysis is not expected/probable.

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

#### Bioaccumulation potential

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

### **Mobility in soil**

#### Assessment transport between environmental compartments

Adsorption to solid soil phase is not expected.

### **Additional information**

Adsorbable organically-bound halogen(AOX):

This product contains no organically-bound halogen.

Other ecotoxicological advice:

The product is a polymeric compound.

---

## 13. Disposal considerations

### **Waste disposal of substance:**

Check for possible recycling. Incinerate in suitable incineration plant, observing local authority regulations.

### **Container disposal:**

Dispose of in accordance with national, state and local regulations.

---

## 14. Transport Information

### **Land transport**

TDG

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

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 10/11  
(30036585/SDS\_GEN\_MX/EN)

---

### 15. Regulatory Information

#### Federal Regulations

Not applicable

#### **NFPA Hazard codes:**

Health: 1      Fire: 1      Reactivity: 0      Special:

#### **HMIS III rating**

Health: 1      Flammability: 1      Physical hazard: 0

---

### 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2025/08/05

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

---

ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE is a registered trademark of BASF Mexicana or BASF SE

This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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 OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO

# Safety Data Sheet

## ULTRADUR® B 4040 G6 BLACK Q29 15075 POLYBUTYLENE TEREPHTHALATE

Revision date: 2025/08/05  
Version: 6.0

Page: 11/11  
(30036585/SDS\_GEN\_MX/EN)

OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION  
GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

Date / Revised: 2025/08/05

Version: 6.0

Date / Previous version: 2022/10/10

Previous version: 5.0

---

END OF DATA SHEET