



MATERIAL SAFETY DATA SHEET

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IMPORTANT: Saudi Basic Industries Corporation (SABIC) urges each customer or recipient of this Material Safety Data Sheet to study it carefully to become aware of and understand the hazards associated with the product.
The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention, as necessary or appropriate to use and understand the data contained in the MSDS.

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE

Product Name: SABIC PET BC-111, BC-112, BC-110, BC-211, BC-212. BC-210, PCG PET 60, PCG PET 80

Chemical Name: Polyethylene Terephthalate Copolymer

Chemical Family: Thermoplastic Polyesters

CAS Registry Number: 25038-59-9

1.2. COMPANY IDENTIFICATION

Company Name: SABIC

Address: P.O.Box 5101 RIYADH 11422 SAUDI ARABIA

Telephone Number: 966 - 1 – 225 - 8000

Facsimile: 966 - 1 – 222 - 9000

2. COMPOSITION/INFORMATION ON INGREDIENTS

100% Copolyester

3. HAZARDS IDENTIFICATION

These products are not considered hazardous under OSHA hazard communication (29 CFR 1910.1200).

4. FIRST AID MEASURES

Eye Contact: Flush eyes immediately with water if irritation occurs.

Skin Contact: If contact with molten product occurs, cool the burn as quickly as possible and do not peel material from the skin; treat as for thermal burn.

Ingestion: PET is not expected to be absorbed from the gastrointestinal tract.

Inhalation: Not ordinarily required; induction of vomiting is not ordinarily required. Move to fresh air if symptomatic.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use water fog, foam, dry chemical or CO₂.

Special Protective Equipment for Fire Fighters: Wear self-contained breathing protective clothing.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.
(Combustion products will be comprised of carbon, hydrogen & oxygen. The exact composition will depend on the conditions of combustion).

Unusual Fire and Explosion Hazards: Powdered material may form dust-air mixture. Avoid accumulation and dispersion of dust to reduce explosion potential.

6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up: Shovel and sweep or use industrial vacuum cleaner. Avoid generating dust clouds. Put into containers for reclaiming or disposal as permitted by applicable national, state and local regulations. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

7. HANDLING AND STORAGE

7.1. HANDLING

No special precautionary measures are required under anticipated conditions of use.
Avoid accumulation and dispersion of dust to reduce explosion potential.
Keep from contact with oxidizing materials.

7.2. STORAGE

Store away from oxidizing materials, in a cool, dry place. Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: ACGIH Threshold Limit Value (TLV) not established.

OSHA Permissible Exposure Limit (PEL) not established.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to condition. Supplementary local exhaust ventilation, or respiratory protection may be needed in poorly ventilated work areas.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye Protection: In accordance with good industrial hygiene practice eye protection must be worn where necessary.

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

Recommended Decontamination Facilities: Eye bath, washing facilities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not available

Solubility in Water: Negligible

Melting Point: >220°C

Vapor Pressure: Negligible

Flash Point: Not available; combustible solid

Vapor Density: Not Applicable

Relative Density: 1.33 - 1.45 g/cm³ at 20° C

Odor: Negligible odor

Intrinsic Viscosity: 0.45 - 1.0 dl/g
Applicable

Volatile Fraction by Weight: Not

Auto Ignition Temperature: Not Available

Flammability: Flammable

10. STABILITY AND REACTIVITY

Stability : Stable

Hazardous Polymerization : Will not occur

Materials to Avoid : Strong oxidizing agents

Fume removal equipment should be used with high temperature processes such as extruding, melting or drying. Small quantities of volatile decomposition products that may be irritating, toxic and combustible can be generated by molten polymer. Acetaldehyde (CAS No. 75-07-0) is the principal decomposition product.

11. TOXICOLOGICAL INFORMATION

No adverse effects have been attributed to polyethylene terephthalate.
Human patch testing has shown fibers to be essentially innocuous.

12. ECOLOGICAL INFORMATION

The material is not biodegradable and unlikely to bioconcentrate. In a spill situation it may be visually displeasing but is not expected to cause any adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Polyethylene terephthalate is not classified as hazardous waste.
All waste material should be packaged, labeled, transported, disposed, incinerated or reclaimed in conformance with applicable laws & regulations and in conformance with good engineering practices.
Reclaim where possible.

14. TRANSPORT INFORMATION

Department of Transportation Classification: This product is not classified as hazardous material by D.O.T.

15. REGULATORY INFORMATION

This document has been prepared in accordance with the guidelines of Directive 91/155/EEC and OSHA Hazard Communication Standard 29 CFR 1910.1200.
The product contains no OSHA hazardous chemicals.

Carcinogenicity Classification of the product's components present at 0.1% are more is as follows:

IARC*: Not listed
ACGIH*: Not listed
NTP*: Not listed
OSHA*: Not listed

* These abbreviations mean:

OSHA = Occupational Safety and Health Administration
ACGIH = American Conference of Governmental Industrial Hygienists
NIOSH = National Institute of Occupational Safety and Health
IARC = International Agency for Research on Cancer
NTP = National Toxicity Program

NOTE:

The information contained herein is based on the data available to us and is believed to be correct. However, SABIC makes no warranty, expressed or implied regarding the accuracy of these data. SABIC assumes no responsibility for injury from the use of the product described herein.