
PET MATERIAL SAFETY DATA SHEET

1. Product/Supplier

Product Name: PET resin for bottles

Supplier: 

2. Chemical Identity

Chemical characteristic: Poly (Ethylene Terephthalate-Isophthalate)

CAS Number: 25038-59-9

Molecular Formula: (C₁₀H₈O₄)_n

3. Potential dangers

No dangerous material

4. First aid measures

After inhalation: None

After skin contact: Rinse contaminated skin with soap and water

After eye contact: Rinse contaminated eyes with copious amount of water

Information for the physician: Consider about laxe after ingestion if necessary

5. Measures for extinguishing

Suitable Extinguisher: Water-Spray, CO₂, Foam, Powder

Combustion products or gases produced: H₂O, CO₂, if oxygen is deficient also CO

6. Measures in case of unintentional release

Safety measures related to persons: None

Environmental measures: None

Cleaning procedure: Physical removal (e.g. sweep up)

7. Manipulation and storage

Avoid from high temperature: no more than 150°C

8. Personal Protection Equipment

Safety glasses, gloves, mask

9. Physical and chemical properties

Form:	Solid
Color:	White
Smell:	Odorless
Melting point & range:	$250 \pm 5^{\circ}\text{C}$ $250 \pm 5^{\circ}\text{C}$
Crystallization:	$\geq 45\%$ $\geq 45\%$
Solubility:	Insoluble in water

10. Stability and Reactivity

Stability: Stable

Reactivity: No dangerous reactions to be expected

11. Statement about toxicology

PET is non-toxic products

12. Statement about ecology

PET is environmentally friendly

13. Information about disposal

Reuse of melt, storage in official land-fills or combustion in suitable plants

14. Transport

No dangerous product, according to the China transport guidelines for roads etc.

15. Regulatory Information

WHMIS (Canada) Status: non controlled

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA public inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): All components of this product are listed on EINECS. Any polymer present in this product has regulatory clearance under Directives of the European Union.

16. Other information

The information in this data-sheet represents the state of the art according to our present day knowledge.

The information given in the data-sheet describes only the safety request for our product and do not guarantee any product properties.