

**MATERIAL SAFETY DATA SHEET**

*PET(Polyethylene Terephthalate)*

**1 Chemical Product and Company Identification**

Trade Name	KÖKSAN PET
Chemical Name	Polyethyleneterephthalate (Copolymer)
CAS No	25038-59-9
EINECS No	-
Product Use	PET used in the production of packaging (bottle, film)
Manufacturer/ Supplier	KÖKSAN PET ve Plastik Ambalaj Sanayi ve Tic. A.Ş. 4.Organize Sanayi Bölgesi 83422 Nolu Cadde No:10 P.K. 39 ŞEHİTKAMİL/GAZİANTEP
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**2 Hazards Identification**

The product is not hazardous to health and environment so, it is not classified as dangerous according to 67/548/EEC and 1999/45/EC Directives.  
Molten polymer can cause thermal burns.  
If PET comes in contact with eyes, it may cause mechanical irritation.(discomfort of eyes,tearing, blurring of vision.

**3 Composition Information on Ingredients**

CAS No	25038-59-9
EINECS No	-
Synonym(s)/Abbreviation	PET, PETE
Molecular Formula/ Weight	(C <sub>10</sub> H <sub>8</sub> O <sub>4</sub> ) <sub>n</sub> / not applicable
Components	Weight %
Polyethylene terephthalate	> 99
Additive(s)	<1

*Note : PET(polyethylene terephthalate) RESIN that is produced by KÖKSAN A.Ş. does not contains asbestos.*

## 4 First Aid and Measures

Inhalation	If exposed to gases, vapors, fumes of melted substance or combustion; remove the person to fresh air. If not breathing, make artificial respiration. If breathing is difficult, give oxygen. If necessary call a physician.
Eyes contact	If melted resin comes in contact with eyes, immediately wash eyes with plenty of water at least 15 minutes. If possible remove contact lenses. Immediately seek medical attention.
Skin contact	If exposed mechanical injury to eyes, consult physician. Generally the product doesn't irritate the skin. Melted resin contact with skin, wash with plenty of cold water. Don't attempt to remove product from skin. If burns occur, seek medical advice.
Ingestion	No toxicity hazard, it is biologically inactive. If symptoms persist, consult doctor.

## 5 Fire Fighting Measures

Flammable Class	Not determined.
Suitable Extinguishing Media	Water Spray, Foam, Chemical powder, CO <sub>2</sub>
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide
Protective Equipment	Full protective clothing and self-contained breathing apparatus.

## 6 Accidental Release Measures

In case of spills, don't allow entering drains, sewage and waterways.  
Sweep small quantities of spillage and place them in container.  
Also minimize dust exposure, clean up by vacuum cleaner.  
Don't walk on spilled chips which may cause falling.

## 7 Handling and Storage

Keep containers closed.  
Store only original containers.  
Storage temperature : Ambient  
Keep away from ignition sources and flame.  
Store cool and dry conditions in sealed container.  
Keep away from direct sun light and rain.  
Take precaution against static discharge . Because the friction of particles can produce electricity so, earthing can be installed, if necessary.

## 8 Exposure Control and Personel Protection

Occupational exposure standarts	None established for polymer.
Eye/ Face Protection	When using in cold processing, use suitable eye protection. Wear a face shield when working with molten material.
Hand /Skin Protection	When necessary,use hot-resistant gloves. In normal conditions special protective clothing is not needed. If there is potential for contact with hot or molten material, wear heat resistant clothes and footwear.
Respiratory	At normal condition Respirator is not used. Where airborne concentrations are expected to exceed exposure limit, use suitable respirator.
Decontamination Facilities	Eye bath, washing facilities

## 9 Physical and Chemical Properties

Form	Solid (granule)
Color	White
Odor	Odorless
Boiling point	Not Determined
Melting Point	246 – 259 °C
Solubility in water	Not soluble
Ignition Temperature	420 °C

## 10 Stability and Reactivity

Stability	Stable at normal conditions.
Incompatibiliy with Other Materials	Strong oxidizing agents, mineral acids, organic solvents,strong alkalis, high temperature, flame, ignition source
Hazardous Decomposition Product	-
Combustion Products	Carbon dioxide ,carbon monoxide,
Thermal Decomposition product	Acetaldehyde, ethylene.

## 11 Toxicological Information

Carciogenic/Mutagenic/Reproductivity	Animal testing shows that PET resin doesn't have carciogenic, mutagenic, reproductivity effects.
Skin Irritations	No irritant effect.
Eye Irritations	It cause a mild-eye irritant.
Ingestion	Practically impossible.

## 12 Ecological Information

Not readily biodegradable, doesn't dissolve in water, no hazardous effect in water.

## 13 Disposal Consideration

Disposal must be done according to the territory and/ or local government regulation.  
Don't pour to sewage, waterways or environment.

## 14 Transportation Information

Transport regulations don't apply

ADR/RID Not classified

SEA-IMDG Not classified

AIR – ICAO Not classified

## 15 Regulatory Information

Labels as 67/548/EC directive and 1999/45/EC aren't required.

Hazardous labels

Safety Phrases Not applicable

Risk Phrases Not applicable

## 16 Other Information

The information provided in this document is based on the present state of our knowledge. The product is described with regard to safety requirements. The document shall not be considered a guarantee of the product properties.