

## SAFETY DATA SHEET -POLYESTER RESIN-

Issue 01.

ACCORDING TO NORM 91/155/EEC.

This document contains important health and safety data.  
Read before substance is used for the first time.

### 1. Substance Identification / Preparation and Company.

**PET RESINS:** For packing applications and others.

**POLYESTER RESINS:** For high tenacity yarns used mainly in tire cord.

**Low viscosity Microdull and Semidull:** Mainly used in textile applications (filament and staple).

**High viscosity Microdull and Semidull:** For high tenacity yarns.

**Note:** Each package carries two labels with the product identification.  
If label is lost or defaced, refer to Enka de Colombia S.A. before using the product.

### 2. Composition - information on ingredients.

#### Composition

**Polyethylene terephthalate:** CAS N° 25038 – 59 - 9.

**Chemistry formulation:**  $\text{HO} - [(\text{CH}_2)_2 - \text{OOC} - \text{C}_6\text{H}_4 - \text{COO}]_n - (\text{CH}_2)_2 - \text{OH}$ .

### 3. Hazards.

In case of overexposure, it may be dangerous by inhalation, ingestion or direct skin contact. It may cause irritation in eyes and skin.

### 4. First-Aid Measures.

#### By inhalation:

To breathe fresh air.

#### By skin contact:

Wash with plenty of water.

#### By eyes contact:

In case of contact, immediately flush eyes with plenty of water at least for 15 minutes.  
Consult a physician.

**By ingestion:**

Non toxic. Wash mouth with water and consult a physician.

**By contact with melt polymer:**

If burns are caused, cool melt material adhered to skin as soon as possible with cool water and consult a physician to remove the stuck polymer.

## 5. Fire-fighting Measures.

**Suitable Extinguishing Media:**

Water, Dry chemical powder or CO<sub>2</sub>.

**Special exposure hazards:**

Use self contained breathing apparatus to protect personal from smoke inhalation while fighting fire.

## 6. Accidental Spill Measures.

Use breathing equipment for organic vapors, goggles eyeglasses, rubber boots and gloves for heavy duties.

Sweep and collect chips in waste bags, avoiding dust. Vent and wash the affected area after collecting completely the material.

## 7. Handling & Storage.

The product is packed in big-bags with an internal polyethylene bag and an external polypropylene bag. Each big-bag has four handles on top. Furthermore, it has two openings with security sealing on top and bottom to be unloaded.

**Handling:**

Big-bags have to be transported with suitable truck or container. Besides, they have to be moved using its handles or pallets. Do not discharge the material through the bottom of the Big-Bag when it is raised; in those cases provide the necessary security medium.

**Stacking:**

The product has to be stored in a fresh, dry and sun protected location. It also requires ventilation system. The floor has to be leveled and firm.

Stacking has to be made placing big-bags in the first levels one over the other and the big-bag of the third level placed over two of the second level.

Provide adequate space (at least 2.8 m) between rows for fork lift truck and fire fighting access, and a clearance of at least 0.5 m between the big-bags and sprinkler heads present.

Persons must not climb on stacks.

## 8. Exposure Controls - Personal Protection.

Use breathing equipment for organic vapors, goggles eyeglasses, rubber boots and gloves for heavy duties.

#### 9. Physical and Chemical Properties.

**Appearance:** Cylindrical small chips.

**Odor:** Odorless.

**Specific gravity and density:** Aprox. 1.35 – 1.40 .

**Melting point style:** Máx. 260 °C – Max. 500 °F.

**Auto ignition temperature:** 450 °C - 842 °F.

**Solubility in water:** Insoluble.

**Other characteristics:** See specifications.

#### 10. Stability Reactivity.

It is stable under normal conditions.

#### 11. Toxicological Information.

It is not classified as dangerous.

#### 12. Ecological information.

**Biodegradability:** It is not biodegradable.

#### 13. Disposal Considerations.

**Recyclables:** It is recyclable.

#### 14. Transportation Information.

Not classified as dangerous.

#### 15. Regulatory Information.

**Approvals:** Our resins for application of packing are approved for food contact, water, soft drinks, oils, liquors, pharmaceutical products, etc.

#### 16. Other Information.

The information contained here in is based on the data available to us and believed to be correct. However, Enka de Colombia S.A. makes no warranty, expressed or implied, regarding the accuracy of these data or the results obtained from the use thereof.