

SAFETY DATA SHEET

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According to Regulation (EC) No. 1907/2006

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This document contains important health and safety information.

It should be read before using the substance for the first time.

1.0. Identification of Substance or Blend, and of Corporation or Company

1.1. Product Identification

Name	EKO® PET RESIN
Synonym	EKO® PET RESIN
JDE Code	NOT APPLICABLE

1.2. Applicable uses for the substance or blend, and non-recommended uses

Identified Uses	PET: For packaging applications and others. Industrial Polyester Polymer: For high-tenacity yarns. Polyester Polymer: For textile applications (filament and fibers). Note: Every package has two labels with product identification. If the label is lost or damaged, contact Enka de Colombia S.A. before using the product.
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1.3. Safety data sheet supplier information

Company	Enka de Colombia S.A
Representative	
	Calle 3 Sur #43 A ±Piso 5
	Medellín Colombia
	Phone:
	Fax: +57 (4) 3195155
	A.A: 5233
	E-mail: ventasymercadeo@enka.com.co

1.4. Emergency phone(s)

Enka de Colombia S.A.	+57 (4) 4055 055 - 57 (4) 4055 234
Línea Salvavidas CISTEMA -SURA	+57 (4) 018000 51 1414 - 57 (4) 4444 578

2.0. Hazard Identification

2.1. Classification of substance or blend

Classification (REGULATION (CE) No. 1272/2008)

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2.2. Labeling Items

Labeling (REGULATION (CE) No. 1272/2008)

Hazard pictogram

Warning word

Hazard indications

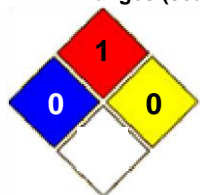
0000 No information from the supplier's safety data sheet

Care advice

Prevention 0000 No information from the supplier's safety data sheet

NFPA Classification System

NFPA Ranges (scale of 0 - 4) Definitions: 0-Minimal, 1-Slight, 2-Moderate, 3-High, 4-Extreme.



2.3. Other hazards

3.0. Component Composition / Information

3.1. Substance

Formula $\text{HO}-(\text{CH}_2)_2\text{-OOC-C}_6\text{H}_4\text{-COO-}]_n\text{-(CH}_2)_2\text{-OH}$

CAS No. 25038-59-9

<i>Name of Component</i>	<i>CAS</i>	<i>TWA</i>	<i>STEL</i>	<i>Percentage</i>
Polyethylene Terephthalate	25038-59-9	N.D.	N.D.	N.A.

3.2. Blend Not applicable

4.0. First Aid

4.1. Description of first aid

After inhalation

Breath fresh air.

After contact with skin

Wash with abundant water.

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	if contact with molten polymer, cool material as soon as possible with cold water and see a physician to remove the molten polymer.
After contact with eyes	Wash eyes with water no less than for 15 minutes. See a physician
After ingestion	Non-toxic. Wash mouth with water and see a physician.

4.2. Main symptoms and acute and delayed effects

May cause eye irritation. N.A.

4.3. Indications about all medical care and special treatments to be given immediately

N.A.

5.0. Firefighting Measures

5.1. Fire extinguishing methods

Water, dry chemical powder, Carbon Dioxide (CO₂)

5.2. Specific hazards derived from the substance or blend

Not under normal conditions. Use self-contained air equipment to protect from inhalation while extinguishing the fire.

5.3. Recommendations for firefighting personnel

Use self-contained air equipment to protect from inhalation while extinguishing the fire.

6.0. Steps in Case of Accidental Spills

6.1. Personal precautions, protection gear, and emergency procedures

Autonomous respiratory gear and safety clothes in the event of fire. Use respirator for organic vapor, goggles, and heavy-duty rubber boots and rubber gloves.

6.2. Environmental precautions

6.3. Methods and materials for containment and cleanup

Sweep and collect pellets in waste bags, avoiding dust from rising. Ventilate the area and clean the site after collecting all of the material.

6.4. Refer to other sections

For instructions about waste treatment, see section 13.

7.0. Handling and Storage

7.1. Precautions for safe handling

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Tips for safe handling

Pellets are supplied in superbags with a polypropilene internal bag. Each superbag has 4 rings on the top. In addition, it has 2 openings with a safety seal for unloading on the top and bottom. The superbags should be handled with proper trucks or containers. In addition, a fork lift is required for its handling. To carry, the superbags should be held from the rings or using a stow. Do not try to unload the material through the bottom part of the superbags when raised; if similar procedures are required, take the necessary protection measures.

7.2. Conditions for safe storage, including possible incompatibilities

Storage conditions

The product should be stored in a dry, cool place, and protected from sunlight. The floor should be level and firm. Stacking should be done placing the superbags or bales on the first two levels one over the other, while the superbag on the third level should be supported by two superbags on the second level. Halls with superbags should be lined up with at least 2.8 m free in between for space for fork lift or firefighting equipment, and no less than 0.5 m free between bags and any sprinkler. No standing over the stack is allowed.

8.0. Exposure Control / Individual Protection

8.1. Control parameters

Components with limited values that need monitoring in the workplace

Name of Component	CAS	TWA	STEL
Polyethylene Terephthalate	25038-59-9	N.D.	N.D.

8.2. Exposure controls

Engineering provisions

Evaluate the need of ventilation systems to avoid dust accumulation in the setting.

Individual protection measures

Eye / Face protection gear

During resin processing, using goggles and face mask is recommended to avoid burns from splashes.

Hand protection

N.A.

Respiratory protection

If during resin processing vapors are released, using a respirator is recommended

Environmental exposure controls

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9.0. Physical and Chemical Properties

Shape	Small odorless cylinder pellets
Color	
Odor	Odorless
Olfactory threshold	
pH	Not applicable
Melt point	Max. 260 °C
Boiling point/interval	Not applicable
Flash point	Not applicable
Evaporation rate	
Flammability (solid/gas)	
Upper/lower explosivity limit	Not applicable
Vapor pressure	Not applicable
Relative vapor density	
Relative density	Not applicable
Water solubility	Insoluble.
n-octanol/water partition coefficient	
Spontaneous ignition temperature	
Decomposition temperature	450 °C
Viscosity	Not applicable

10.0. Stability and Reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

N.A.

10.3. Likelihood of hazardous reactions

N.A.

10.4. Conditions to be avoided

N.A.

10.5. Incompatible materials

N.A.

10.6. Hazardous decompositions products

N.A.

11.0. Toxicology Information

11.1. Information about toxic effects

Not classified as hazardous.

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11.2. Other data

May cause eye irritation.

12.0. Ecological Information

12.1. Toxicity

Not biodegradable.

12.2. Persistence and degradability

12.3. Bioaccumulation potential

12.4. Soil mobility

12.5. Other adverse effects

13.0. Considerations about Disposal

Methods for waste treatment

Can be recycled.

14.0. Información relativa al transporte

Not classified as hazardous.

14.1. UN Number N.A.

14.2. Official U.N. transportation designation N.A. from the United Nations

14.3. Class

14.4. Packing group

14.5. Environmental hazards N.A.

14.6. Special precautions for users N.A.

14.7. Bulk transportation (according to attachment II of the Marpol 73/78 agreement and IBC Code)

N.A.

15.0. Regulatory Information

15.1. Safety, health and environment regulation and legislation specific to the substance or blend

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Our resins for packaging applications are food grade, and can be in contact with water, soft drinks, oils, alcoholic beverages, pharmaceuticals, etc.

16.0. Other Information

The information contained in this document is based on data available, which we are providing in good faith. Enka de Colombia S.A. does not provide an explicit or implicit warranty about the accuracy of the information, and therefore, about the results obtained from the use thereof.

The data provided in this Safety Sheet are based on our current knowledge. They only describe the safety measures for handling the product and do not represent any guarantee about the properties of the product described.

Bibliography

Enka de Colombia S.A. – Safety Data Sheet – POLYESTER RESIN. Updated on: 30.04.2002