

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

Product Name: Recycled Polyethylene Terephthalate (PET) Pellets
Manufacturer Name: PT Amandina Bumi Nusantara
Address: Kawasan GIIIC Industrial Estate AG 10 Jl. Tol Jakarta-Cikampek
Km. 37 Cikarang Pusat, Bekasi 17530
Recommended Use: Production of PET packaging
Restriction Use: Not available

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Regulation (EC) No. Not Hazardous
1272/2008:

Label Elements

Signal Word:

Hazard Statements:

Precautionary Statements:

Other Hazards: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component Polyethylene Terephthalate (PET)
CAS No. 25038-59-9
Impurities < 0.1%

4. FIRST AID MEASURES

Description of First Aid Measures

Eye Contact: Mechanical injury to eyes is possible. Seek doctor's advice if necessary.

Skin Contact: If melted resin comes in contact with skin, the affected place should be washed thoroughly with plenty of water. Put a sterile bandage on the wound. If burns occur, seek medical advice immediately. Note: never try to take away substance melted to the wound.

Ingestion: No toxicity hazard. This substance is biologically inactive. If the person feels unwell, doctor' advice is recommended.

Inhalation: After inhalation of vapor from melted substance: Remove person to fresh air as soon as possible. Drink water to clean the mouth and blow the nose to remove the dust. Upon evidence of breathing problems, take a person to the first aid station to provide medical aid.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water aerosol, water/foam, CO₂, A or B class fire extinguishers, AB class fire extinguishers, powder extinguishers.

Special Hazards Arising from the Substance or Mixture

During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. Combustion products may include and are not limited

to: Carbon monoxide. Carbon dioxide. Do not stay in dangerous area without a personal breathing apparatus. Large concentration of dust causes explosion risk. Polyesters can ignite if exposed to fire.

Advice for Fire-Fighters

Due to potential decomposition of the polymer, firefighters should be equipped with positive pressure self-contained breathing apparatus (SCBA) and standard protective fire fighting clothing (helmet, eye protection, overalls, boots, and gloves) when fighting all indoor fires and any significant outdoor fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

None

Environmental Precautions

None

Methods for Cleaning Up

Contain with shovel or sweep, use a special vacuum cleaner to collect small particles/dust. Avoid producing dust clouds. Place into utilization or disposal containers.

7. HANDLING AND STORAGE

Handling

The product shall be handled in a safe manner.

Storage

The product shall be protected from direct sunlight, UV light, high temperature and rain. Avoid overstacking to prevent collapse or breakage of the package. Do not store near flame or incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hands protection:	Necessary when hot melted substance is handled. Hot-resistant gloves shall be worn.
Respiratory system protection:	Necessary when vapor/dust is produced during processing (vapor is produced when polymer is heated).
Eyes protection	Necessary when hot melted substance is handled. Wear safety eyewear with side shields and heat-resistant face shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a. Appearance	: Form granular
b. Odour	: No data available
c. Odour Threshold	: No data available
d. pH	: No data available
e. Melting point/ freezing point	: Melting point/range 240 – 260 °C
f. Initial boiling point and boiling range	: > 170 °C at 13.33 hPa
g. Flash point	: No data available
h. Evaporation rate	: No data available
i. Flammability (solid, gas)	: No data available
j. Upper/lower flammability or explosive limits	: No data available
k. Vapour pressure	: No data available
l. Vapour density	: No data available
m. Water solubility	: Insoluble

n. Partition coefficient n-octanol/water	: No data available
o. Auto-ignition temperature	: No data available
p. Decomposition temperature	: No data available
q. Viscosity	: No data available
r. Explosive properties	: No data available
s. Oxidizing properties	: No data available

Physical state: Solid substance under normal conditions.
Color: White to light blue

10. STABILITY AND REACTIVITY

Stability Stable under normal ambient conditions.
Possible hazardous reaction under specific condition: None
Conditions to avoid: High temperature, flame and other sources of ignition. Temperatures above 150°C and/or long retention time shall be avoided when the product is out of the technological process as the product degradation and thermal decomposition can start.
Materials to avoid: Strong oxidizing agents, mineral acids, organic solvents
Hazardous Decomposition Products: None anticipated under normal or recommended handling and storage conditions.
During heating process hazardous gas is produced. The composition of the gas depends on the conditions of heating process.

11. TOXICOLOGICAL INFORMATION

Toxic Substance: No

12. ECOLOGICAL INFORMATION

Environment: Non bio-degradable material. After rPET has been used to produce packaging, this packaging should be properly disposed of, and can be recycled again.
Aquatic: Insoluble
Persistence and Degradability: No data available
Bio-accumulative Potential: No data available
Mobility in Soil: No data available

13. DISPOSAL CONSIDERATIONS

Methods of waste disposal: Dispose in accordance with all applicable governmental regulations for non-hazardous solid waste.

14. TRANSPORT INFORMATION

Transport: All transportation shall follow local regulations of the country of usage/transport.
Road/Rail: Not restricted
Sea: Not restricted
Air: Not restricted

15. REGULATORY INFORMATION

Product is not classified as dangerous.

16. OTHER INFORMATION

Revision Date: 31 May 2022
Prepared by: PT Amandina Bumi Nusantara

The MSDS includes information based on our present state of knowledge.

End of Safety Data Sheet