MATERIAL SAFETY DATA SHEET

rPET (POLYETHYLENE TEREPHTHALATE) FLAKES Issue Date : August, 2022

1. Identification of The Substance or Mixture of The Supplier

1.1 Product identifier

Product name : rPET FLAKES - SB Super
Other means of identification : Poly(ethylene terephthalate), PET, PETE
Recommended use : Extrusion and Molding Process

1.2 Supplier's details

Registered Company Name : **LANGGENG JAYA PLASTINDO, PT.**
Address : Kedamean Street No.16, Gresik – 61175, West Java, Indonesia
Telephone Number : +62 (031) – 79970535 / +62 812 3189 6788
Website : www.langgengjayagroup.com

1.3 Emergency phone number

Emergency Number : +62 (031) – 79970535 / +62 812 3189 6788

2. Hazards Identification

2.1 Classification of the substance or mixture

Polyethylene terephthalate (PET) is a polymer not classified as a hazardous substance according to GHS (Globally Harmonized System).

2.2 Label elements

No data available and Labelling not required according to GHS.

2.3 Other hazards

Product may may cause eye, skin, and respiratory irritation. Spilled products create a spilled hazard. Molten plastic can cause several thermal burns.

3. Composition/information on ingredients

3.1 Substance

Chemical name : Poly(ethylene terepthalate)
Common name, Synonyms : PET, PETE, Poly(ethylene terephthalate) macromolecule
CAS Number : 25038-59-9

4. First-aid measures

4.1 Description of necessary first-aid measures

If inhaled : move the victim into fresh air. If breathing is difficult or not breathing, consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Skin contact : take off contaminated clothing immediately. Wash off with soap and plenty of water.

Eye contact : Rinse with water for at least 15 minute. Consult a doctor

Ingestion : Rinse mouth with water. Do no induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

4.2 Most important symptomps/effects, acute, and delayed

No data available

4.3 Indication of immediate medical attention

No data available

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5. Fire-fighting measures

5.1 Suitable extinguishing media

Foam, CO_2, and dry powder. Do not use water jet / water base fire extinguisher.

5.2 Specific hazards arising from the chemical

No data available

5.3 Special protective action for fire-fighters

Independent breathing equipment and proper protective clothing must be used when extinguishing the fire.

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6. Accidental release measure

6.1 Personal precaution, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapors. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations

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7. Handling and storage

7.1 Precaution for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool, and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

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8. Exposure controls/personal protection

8.1 Control parameter

No data available

8.2 Appropriate engineering controls

The adoption of proper engineering controls is also based on the Risk Assessment performed by the employer under its working conditions (substance's usage), mainly when a standardized exposure scenario is not available.

8.3 Individual protection measure

Eye/face protection : Wear safety goggles with side-shileds or face protection

Skin protection : Wear leather waterproof gloves or pvc gloves

Respiratory protection : In dust atmospheres, use suitable breather with filter for fine dust.

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9. Physical and chemical properties

Physical state	Flakes
Color	Clear
Odor	Odorless
Melting point/freezing point	265°C
Boiling point or initial boiling point and boiling range	no data available
Flammability	no data available
Lower and upper explosion limit/flammability limit	no data available

Flash point	no data available
Auto-ignition temperature	no data available
Decomposition temperature	>300°C
pH	Neutral
Kinematic viscosity	no data available
Solubility	no data available
Partition coefficient n-octanol/water	no data available
Vapor pressure	no data available
Density and/or relative density	1.31g/mL at 25°C
Relative vapor density	no data available
Particle characteristics	no data available

10. Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under normal usage condition

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Keep away from strong oxidizing agent. Keep on closed container.

10.5 Incompatible material
No data available

10.6 Hazardous decomposition product
At high temperatures, volatile organic components may be released from product.

11. Toxicological information

No data available

12. Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse affects

Spilled product may cause water or soil pollution by micro plastic.

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13. Disposal consideration

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Eliminate residue according to the local applicable legislation. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems. Recycle the product to the maximum. Take all necessary precautions to avoid creating dust / fine powder. The nonrecycled product may be disposed as other general plastics.

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14. Transport information

Not classified for transport in accordance to the Regulation **ADR/RID**.

Not regulated according to the **IATA, IMDG**.

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15. Regulatory information

Indonesia regulation UU No. 1 Tahun 1970 about Occupational Health and Safety; UU No. 9 Tahun 2008 about The Use of Chemical

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16. Other information

The information provided here in has been copied from an original manufacturer of PET material and is accurate to the best of our knowledge. LANGGENG JAYA PLASTINDO.PT is a recycler of PET resin and is not an original manufacturer of PET material.

Final determination of suitability of any material is the sole responsibility of the user. All materials, as present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exist.