



Unilong Industry Co., Ltd

Add: No.10 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China
Phone&Whatsapp: +86-18678775281 Website: www.china-polymer.com

Chemical Safety Data Sheet

1. Information on goods and manufacturers

Material name:	PBAT Resin
Suggestions of the use and the restriction of the use of:	Blow film, blow soft straw, spinning etc.
The manufacturer or supplier name, address:	Unilong Industry Co., Ltd No.10 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

2. Hazard identification information

Hazard classification	NA
Marking content	NA
Symbol	
Warning	
The hazard warning message	No
Risk prevention measures	NA
Other hazards	NA

3. Component identification data

Pure substance:

English name:	Poly (butylene adipate-co-terephthalate)
Synonym name:	
Chemical Abstracts Service Registration Number (CAS No.) :	55231-08-8
The percentage of ingredients:	pbt (polybutylene terephthalate):99.95%, water:0.05%

4. First aid measures

The first aid for different exposure routes:	
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	Inhalation:	No special requirement
	skin Contact:	Wash off with soap and water. After contact with hot polymer, cool skin rapidly with cold water. Call a physician.
	Eye contact:	Contact eyes may cause physical irritation. Flush eyes with water. Call a physician.
	Ingestion:	Rinse mouth with water. Do not induce vomiting without medical advice. Call a physician.
The most important symptom and harm effect:	No	
Protection to emergency personnel:	No	
Suggests to doctor:	No	

5. Extinguishing measures

Suitable extinguishing agent:	Water, foam, carbon dioxide, fire extinguishing powder,
Special exposure hazards:	No
Special firefighting procedures:	In accordance with the class A fire extinguish
Special protective equipment for firefighters:	Wear self-contained breathing apparatus (SCBA)

6. Leakage treatment method

Individuals should pay attention to matters:	Wear gas mask, chemical safety goggles, rubber boots and heavy rubber gloves.
Environmental precautions:	No special requirement
Cleaning method:	Use mechanical devices to pick up. A sprinkling of products can be collected as the used chemicals for recycling.

7. Safe handling and storage method

Handling:	Wear protective gloves when working, and anti-dust masks, avoid dust by Inhaling and nasal
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Storage:	Goods stable in storage, but extreme temperature, soil contacting and high humidity should be avoided. The maximum shelf life is 2 years in ambient temperature of 23°C without opening the package. Resin should be stored in original shipping package. Keep the resin dry and package sealed to prevent moisture. Temperatures during transportation and storage should not exceed 45°C.
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8. Exposure prevention measures

Engineering control:	Keep good ventilation. Also, provide adequate local ventilation where the hot polymer may reside for long periods,			
The control parameters:	The eight hour average allowable concentration of TWA	Short time average allowable concentration STEL	The maximum allowable concentration CEILING	Biological index
	In accordance with the non-toxic,dust standard 8 HR tolerance 10mg/m ³			ND
Personal protective equipment:	Breathing protection:	Respiratory protective equipment worn properly.		
	Hand protection:	Protective gloves, recommend to use anti chemical gloves in accordance with EN374.		
	Eye protection:	Safety goggles with side shields in accordance with EN166, ANSI87. 1-2010, or equivalent specifications.		
	Protection of skin and body:	Protective work clothing		
Sanitary measures:	Wash hands thoroughly after work			

9. Physical and chemical properties

Appearance:	Solid	Smell:	A little
Odor threshold:	No relevant data	Melting point:	110C- 120C
pH:	Not applicable	Boiling / boiling range:	ND
Flammability (solid, gas):	ND	Flash point:	ND
The decomposition temperature:	> 300 C	Test method:	
Self- ignition temperature:	ND	Explosion limit:	Not decided



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Density:	1.2- 1.28(25C)	Solubility:	Not applicable
Vapor pressure:	Not applicable	Vapor density:	Not applicable
The octanol / water partition coefficient (log Kow)	No relevant data	Volatilization rate:	No relevant data

10. Safety and reaction

Stability:	Stable
Possible hazard reaction	Dust hazards
under special conditions:	
The condition that should be avoided:	Heated to 300 C
The matter that should be avoided:	Strong oxidizing agents, acid, alkali
Hazardous decomposition products:	Carbon monoxide, carbon dioxide

11. Toxicity data

Routes of exposure:	No
Symptom .	No
Acute toxicity:	No
Chronic or long term toxicity:	No

12. Ecological data

Eco toxicity:	NA
Persistence and degradability:	Degradable
Bioaccumulation:	NA
Mobility in soil:	NA
Other adverse effects:	NA

13. Waste disposal method

Waste disposal method:	No special requirement. Just disposal according to local general environmental laws or regulations. It is harmless and biodegradable. PBAT be can degraded without burying, do not need to be collected as traditional plastics.
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14. Transport information

The UN number:	Unclassified / or not regulation
The United Nations Transport name:	Unclassified / or not regulation
Transport hazard classification:	Unclassified / or not regulation
Packaging category:	Aluminum paper bag or aluminum plastic bag with vacuum and nitrogen filling in the bag
Marine pollutant (yes / no):	No
Special transport method and the matters needing attention:	Keep goods dry during delivery process

IATA: Not Dangerous Goods

15. Laws and regulations

Applicable laws and regulations:	All products are listed in materials to or from the following existing chemical database:
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	USA - TSCA Australia - AICS Canada - DSL China - IECSC Japan - ENCS South Korea - KECI New Zealand - NZIoC Philippine - PICCS Taiwan - ECSI
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16. Other data

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%