

MATERIAL SAFETY DATA SHEET

1、Product and Company Identification

Product name : Polybutylene terephthalate compound
Synonyms : PBT COMPOUND
Chemical Formula : [-CO-C ₆ H ₄ -COO-(CH ₂) ₄ -O-] _n
Product Codes : 7300 SERIES
Supplier Information : Chang Chun Plastic Co.,Ltd 301 Songkiang Road, 7th FL., Taipei, Taiwan, 10477
Emergency phone numbers : TEL:886-2-25038131,886-2-25001800

2、Composition / Information on Ingredients

Ingredient	CAS Number	Percent (by weight)
Polybutylene terephthalate resin	26062-94-2	10~85
ABS resin	09003-56-9	2~30
Antimony Compound	1309-64-4	2~6
Flame Retardant	68928-70-1/71342-77-3	5~20
Glass Fiber	65997-17-3	5~40
Other additives	NA	1~20

3、Hazards Identification

Emergency Overview : Hazard warning not required

Adverse Human Health Effects : Vapour and fumes released at elevated temperature may be irritant for the eyes,the nose,the throat and respiratory tract and in case of overexposure may cause nausea and headache.

Environmental Effects : No Information available

Physical and Chemical Hazards : No Information available

Specific Hazards : No Information available

4、First-Aid Measures

Inhalation : When fumes of molten material have been inhaled:

- Move person to fresh air as quickly as possible
- Rest in half upright position
- Loosen clothing
- Keep warm

Ingestion : No danger of toxicity, this material is biologically inactive

Skin Contact : If molten material contacts skin, cool rapidly with cool water, and seek medical attention.

Attention : never pull off the molten material from the wound.

Eye Contact : Flush with water, and seek medical attention if it is necessary.

Protection of First-aiders : No Information available

Notes to Physician : If melted material contacts, cool rapidly with cool water, and seek medical attention.

5 · Fire-Fighting Measures

Extinguishing Media : Water, foam, carbon dioxide, dry chemical

Fire and Explosion Hazards : NA

Special Firefighting Procedures : Treat as a "class A" fire and avoid to breathe dust.

Special Equipment for the Protection of Firefighters : Wear personal protective equipment

6 · Accidental Release Measures

Personal Precautions : Wear personal protective equipment

Environmental Precautions : This material presents no danger regarding toxicological and ecological consideration.

Methods for Cleaning Up : Sweep up and place in disposal container, it could be recycled.

7 · Handling and Storage

Handling : Make provisions for sufficient ventilation and local exhaust at vent, nozzle .
Dust and processing fumes must be removed by effective exhaust ventilation.

Storage : Store in clean and dry cool condition.

8 · Exposure Controls / Personal Protection

Engineering Measure : NA

Control parameters : OSHA PEL(nuisance/respirable dust):15mg/M³(total),5mg/M³(respirable)
ACGIH TLV(nuisance/respirable dust):10mg/M³(total),5mg/M³(respirable)

- Limit values : NA
- Biological Standards : NA

Personal Protective Equipment : helmet, mask, safety shower, eye wash fountain

- Respiratory Protection : dust mask
- Hand Protection : wear protective gloves.
- Eye Protection : wear safety goggles
- Skin and Body Protection : wear protective gloves and clean body-covering clothing.

Specific Hygiene Measures : Adequate washing facilities with supplies of mild soap and hand cleaner should be available at all working locations. Solvents should never be used as hand cleaners. Smoking, eating and drinking in working and storage area should be prohibited.

9、Physical and Chemical Properties

Physical State : solid	Form : Pellet
Color : -	Odor : odorless
pH : ND	Boiling Point/Boiling Range : ND
Decomposition Temperature : >300°C	Flash Point & Method Used : >355°C
Auto Ignition Temperature : >420°C	Explosion Properties : ND
Vapor pressure : ND	Vapor density : ND
Density : 1.2~1.8	Solubility : ND

10、Stability and Reactivity

Stability : Stable under ordinary conditions of use and storage

Possible Hazardous Reactions Occurring under Specific Conditions : Don't heat to 300°C

Conditions to Avoid : No information available

Materials to Avoid : strong bases

Hazardous Decomposition Products :
No information available

11、Toxicological Information

Acute toxicity : No information available

Local effects : No information available

Sensitization : No information available

Chronic Toxicity or Long Term Toxicity : No information available

Specific effects : No information available

12、Ecological Information

Possible Environmental Effects, Behavior and Fate : Leakage will cause environment pollution

13、Disposal Considerations

Recommended Methods for Safe and Environmentally Preferred Disposal : Could be recycle used

14、Transport Information

International regulations : None

UN classification number : NA

Specific Precautionary Transport Measures and Conditions : No hazardous transportation product. Keep away from moisture.

15、Regulatory Information

Applicable Regulations : None

16、Other Information

NFPA Ratings :

Company:CHANG CHUN PLASTICS CO.,LTD.(Kaohsiung factory)

Address: No. 14, Kung Yeh 1 Road, Jen-Wu Industrial District, Kaohsiung Taiwan.

Person in charge:Fu-Ly Wu

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Label Hazard Warning : ---

Literature References : Rev. Date: May.02, 2006

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