

ZIRCO-BLAST

SDN. BHD.

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Material Safety Data Sheet - Polycarbonate

1. Product Identification

Identification of Product	-	Plastic Media – Type PCC
Manufacturer	-	Zirco-Blast Sdn. Bhd.
Chemical Name	-	Bisphenyl Polycarbonate.
Chemical Family	-	Polycarbonate

2. Hazardous Identification

GHS Classification	-	Not a dangerous substance according to GHS
GHS Labeling	-	Not a dangerous substance according to GHS
PEL	-	No PEL has been established for this product as usage is within confined blasting chamber.
TLV	-	No TLV has been established for any component of this product. Prolonged exposure may cause skin and eye irritation. As product is intended to be used within a confined blasting chamber, prolonged exposure is unlikely.
Hazard Classes	-	Non Regulated

3. Composition / Ingredients

Ingredients / CAS registry No.	-	98.50 - 99.00 % Poly Propane Bisphenyl Polycarbonate CAS registry No: 111211-39-3
	-	1.00 - 1.50 % Colour Pigments CAS registry No: Various

4. First aid measures

After Inhalation	-	Remove to fresh air.
After skin contact	-	Rinse with running water and soap.
After eye contact	-	Immediately flush eyes with running water for 10 minutes and see physician.
After Ingestion	-	Seek medical attention immediately.

5. Fire Fighting measures

Breathing Apparatus.	-	Material is self extinguishing when removed from source of ignition. Fire fighters should wear self contained breathing apparatus. If exposed to fire please follow the below procedures.
Suitable extinguishing media	-	Foam, extinguishing powder, carbon dioxide, water.
Extinguishing media which must not be used for safety reasons	-	High pressure water jet.
Special exposure hazards from resulting gases	-	None known.
Unusual Fire Hazards	-	Airborne dust of any nature could form explosive mixture with air. Maintain good housekeeping for control of dust.

6. Accidental release measures

Personal precautions	-	Avoid contact with eyes and skin.
Environmental precautions	-	Do not allow to flow into drainage system.
Method of cleaning up / removing	-	Sweep up and place into plastic bags or containers.

7. Handling and storage

Handling	-	No special measures required.
Storage	-	Store in a dry place and keep material tightly sealed.

8. Exposure control and Personal Protection.

Information on the system design.	-	No special measures required.
Ventilation	-	Locate exhaust where necessary to maintain exposure level to OSHA permissible limits.
Personal protection	-	Wear suitable protective gloves and protective goggles.
Respiratory Protection	-	The need for respiratory protection should be determined By an industrial Hygiene evaluation.

9. Physical and Chemical Properties

Physical status / Appearance	-	Solid, Cylindrical / Cubical
Colour	-	white / Clear
Odor	-	Nil.
Flash point	-	Nil.
Softening Temperature	-	180 Deg. C
Vapor Pressure (mm of HG)	-	Not Applicable
Vapor Density	-	Not Applicable
Solubility in water	-	Insoluble
Specific Gravity	-	1.20
Boiling point	-	Nil
Melting point	-	220 Deg C
Freezing Point	-	Not Applicable
Evaporation Rate	-	Not Applicable

10. Stability and reactivity

Stability	-	Stable
Conditions to avoid	-	None known
Materials to avoid	-	None if used for its intended purpose.
Hazardous decomposition products	-	None.

11. Toxicological information

Ingestion	-	Moderately toxic after ingestion.
Skin contact	-	Overexposure may cause irritation.
Eye contact	-	Overexposure may cause irritation.
Acute Effects:	-	Oral Toxicity LD50 Not Available; Inhalation Toxicity LD50 Not Available.

12. Ecological information

Persistence and degradability	-	Material is not biodegradable as it is. As disposal is after conversion to dust during its intended use, it is approved for land fill. If dust is contaminated with other toxic waste during use, approval from local authorities are needed.
Aquatic toxicity	-	Non toxic. Do not release into water.

13. Disposal Information

Method	-	Land fill. As disposal is after conversion to dust during its intended use, it is approved for land fill. If dust is contaminated with other toxic waste during use, approval from local authorities are needed
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14. Transport Information

D.O.T. 49 CFR 172.101	-	Not regulated
TDG	-	Not regulated
UN Proper Shipping Name/Number	-	Not regulated
IMDG	-	Not regulated
IATA	-	Not regulated

15. Regulatory Information

SARA TITLE III Information	-	Hazard categories for the Superfund Amendments and Reauthorization Act (SARA) Section 311/312/313 (40 CFR 370): Immediate Hazard: No Delayed Hazard: No Fire Hazard: No Pressure Hazard: No Reactivity Hazard: No
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16. Special Precautions

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