ZIRCO-BLAST

SDN. BHD. (Co. No. 505255-V)

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Material Safety Data Sheet – Urea

1. Product Identification

Identification of Product	-	Plastic Media – Type H / UF
Manufacturer	-	Zirco-Blast Sdn. Bhd.
Chemical Name	-	Polymerized Urea Formaldehyde grits.
Other Name	-	Polymerized Amino Thermoset Plastic.

2. Hazardous Identification

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 % Polymerized Urea Formaldehyde grits CAS Registry No. : 9011-05-6
	-	1.00 - 1.50 % Polymerized Colour pigments CAS Registry No. : NA 0.04 - 0.06 % Antistatic Agent Loxiol 80X CAS Registry No. : 97489-15-1

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 not combustible. 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/ 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, Granular.
Colour	-	Milky white.
Odor	-	Nil.
Flash point	-	Nil.
Ignition Temperature	-	530 Deg. C
Vapor Pressure (mm of HG)	-	Not Applicable
Vapor Density	-	Not Applicable
Solubility in water	-	Insoluble.
Specific Gravity	-	1.45 – 1.50
Boiling point	-	Nil
Melting point	-	Nil
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	-	Over exposure may cause irritation.
Eye contact	-	Over exposure may cause irritation.

12. Ecological information

Persistence and degradability	-	Material is not biodegradable as it is. The antistatic agent added to material is biodegradable. 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	-	Do not release into water. The surfactant applied is mildly toxic to fishes.

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

14. Transport Information

UN-Number:		
DOT, ADR, AON, IMDG, IATA	-	Not regulated.
UN proper shipping name:	-	Not regulated
ADR, ADN, IMDG, IATA		
Transport hazard class(es):		
ADR, ADN, IMDG, IATA	-	Not regulated
Packing group:		
ADR, IMDG, IATA	-	Not regulated
Environmental hazards:		
Marine pollutant	-	No
Special precautions for user	-	Not applicable
Transport in bulk according to Annex II of Marpol and the IBC Code	-	Not applicable
UN "Model Regulation"	-	Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or Mixture

Sara	-	Section 355 (extremely hazardous substances): None of the ingredients is listed.
	-	Section 313 (Specific toxic chemical listings): None of the ingredients is listed.
	-	TSCA (Toxic Substances Control Act): None of the ingredients is listed.
Proposition 65	-	Chemicals known to cause cancer: None of the ingredients is listed.
	-	Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
	-	Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
	-	Chemicals known to cause developmental toxicity: None of the ingredients is listed.
Cancerogenicity categories	-	EPA (Environmental Protection Agency) None of the ingredients is listed.
	-	TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.
	-	NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed.
	-	OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.

Chemical safety assessment void.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific article features and shall not establish a legally valid contractual relationship