

# ZIRCO-BLAST

SDN. BHD.

(Co. No. 505255-V)

Lot 4703, Kawasan MIEL, Batang Kali, 44300 SELANGOR DE , MALAYSIA.

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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. Lot 4703, Kawasan MIEL, Batang Kali, 44300 Selangor DE, Malaysia. Tel: 603-60579691, 60579692. Fax: 603-60579694
Chemical Name	-	Polymerized Urea Formaldehyde grits.
Other Name	-	Polymerized Amino Thermoset Plastic.

### 2. 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. : N.A
	-	0.04 - 0.06 % Antistatic Agent Cystat SN CAS Registry No. : 2764-13-8

### 3. 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

### 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**

- Information on the system design - No special measures required.
- Ventilation - Locate exhaust where necessary to maintain exposure level to OSHA permissible limits.

## **9. Personal Protection**

- Personal protection - Wear suitable protective gloves and protective goggles.
- Respiratory Protection - The need for respiratory protection should be determined By an industrial Hygiene evaluation.

## **10. 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 – 1.55
- Boiling point - Nil
- Melting point - Nil
- Freezing Point - Not Applicable
- Evaporation Rate - Not Applicable

## **11. Stability and reactivity**

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

## **12. Toxicological information**

- Ingestion - Moderately toxic after ingestion.
- Skin contact - Over exposure may cause irritation.
- Eye contact - Over exposure may cause irritation.

## **13. 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.

## **14. 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

## **15. Transport Information**

- Special Requirement - Not a hazardous material. Not subjected to any regulations.

## **16. Special Precautions**

- None.

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Type H / UF