

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: **BZA(All Sizes)**
HS CODE: 6914.11.0000
SYNONYM(S): Zirconium Composite Beads/Grinding Media;
CHEMICAL FAMILY: Zirconia; Zirconium Oxide
MANUFACTURE: Pingxiang Botian New Materials Co.,Ltd.
EMERGENCY PHONE: 86-799-6396268

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	CONCENTRATION	CLASSIFICATION	R-PHRASES
ZrO ₂	1314-23-4	85%	Not Classified	Not assigned
Al ₂ O ₃	11092-32-3	15%	Not Classified	Not assigned

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	N/A °F	SPECIFIC GRAVITY:	5.4 g/cm ³	pH: N/A
MELTING POINT:	>2,000 °C (estimated)	BULK DENSITY:	4.0 g/cm ³	
VAPOR PRESSURE:	N/A mm Hg %	VOLATILE BYWEIGHT:	N/A	
VAPOR DENSITY:	N/A (Air=1)	EVAPORATION RATE:	N/A (Butyl Acetate=1)	
APPEARANCE/ODOR:	White Ceramic Media, No Odor	SOLUBILITY IN WATER:	Insoluble	
V-HARDNESS:	>1,100 HV	SOLUBILITY IN OTHER COMPOUNDS:	Insoluble	

4. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): Not Applicable
FLAMMABLE LIMITS: Not Applicable
EXTINGUISHING MEDIA: This material is non-combustible.
Used extinguishing media that is appropriate for the surrounding fire.
SPECIAL FIRE PROCEDURES: Firefighters should wear self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Not Applicable

5. STABILITY AND REACTIVITY

STABILITY:	Stable in normal temperature and pressure.
INCOMPATIBILITY:	Not Applicable
HAZARDOUS DECOMPOSITION:	Not Applicable
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None

6. HEALTH HAZARD INFORMATION

INHALATION:	As such, product should not cause inhalation problem.
HEALTH HAZARDS:	Acute – None Chronic - None
CARCINOGENICITY:	None
SIGNS AND SYMPTOMS OF EXPOSURE:	None
EMERGENCY AND FIRST AID PROCEDURE::	Not Applicable

7. PACKING INFORMATION

OUTER PACKING:	Steel or Plastic Drum.
INNER PACKING:	Vinyl liner or None.

8. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Sweep, shovel or vacuum material.
WASTE DISPOSABLE METHOD:	May be land filled in accordance with local, state and federal regulations.
PRECAUTIONS TO BE TAKE IN HANDLING AND STORING:	Sealed and stored in dry and ventilated room.

9. CONTROL METHODS

VENTILATION:	Local exhaust recommended.
PROTECTION GLOVES:	Recommended to use
EYE PROTECTION:	Recommended to use
OTHER PROTECTIVE CLOTHING/EQUIPMENT:	None
WORK/HYGIENIC PRACTICES:	None



10. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Coughing and throat irritation are early symptoms of excessive exposure. May be irritating to the respiratory system, lungs and skin. May also cause irritation to eyes.

CHRONIC EFFECTS: Chronic exposure in excess of established human exposure levels can cause severe respiratory disease.

11. ECOLOGICAL INFORMATION

This product poses no significant environmental contamination impact during expected use, handling, and proper disposal.

12. TRANSPORTATION INFORMATION

Important Note: shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

Sea-IMDG (International Maritime Dangerous Goods)

Class not regulated

Air-ICAO (International Civil Aviation Organization)

Class not regulated

UN NO.	N/A
ICAO/IATA	Not Restricted
RID/ADR	Not Restricted
DOT SHIPPING DESCRIPTION	Not Restricted
CAN	Not Restricted
IMO	Not Restricted

13. REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS:	All chemicals in this product are listed, automatically included, or are exempt from listing on the TSCA Inventory.	SARA TITLE III:	Section 302: None Section 312: None Section 313: None
CERCLA REPORTABLE QUANTITY:			None
CLEAN AIR AMENDMENTS-HAZARDOUS AIR POLLUTANTS (HAPS):			None
CALIFORNIA STATE PROPOSITION 65:			N/A

14. OTHER INFORMATION



Grinding Media: BZA (All Sizes)
MSDS NO.: 06
Revision Date: June 18, 2017

* The information published in this Material Safety Data Sheet has been compiled from our experience, and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the user's application and for adopting necessary safety precautions.