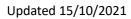
## Product Data Sheet Type CB





Product name	Ceramic Beads (Shots) for Blast Cleaning & Micro blasting			
Product type	СВ			
Features	- Reduced beads consumption (30- 40 times) against glass blasting media			
	- Lower metal surface roughness			
	- Less operating pressure and reduced abrasive velocity needed than glass blasting media			
	Thus have far less abrasive breakdown and dust generation, results in cleaner working environment and better operator visibility			
	- White color, highly spherical and smooth surface beads			
	- Strong mechanical resistance and high toughness, but gentle with equipment and tools preserving work parts			
	- Chemically inert, no metallic contamination for treated parts			
	- Low dust production			
Applications	CB beads can be used in these applications, just name a few:			
	- Cleaning and surface preparation (deburring, etching, paint removal, cosmetic finishing,			
	fine machining and engraving) of molds, castings and delicate items			
	- Effectively used in air or wet pressure blasting process and in wheel turbine machines			
Technical data				
	2.5 2.5 / 3			
Specific density	3.6 – 3.95 g/cm <sup>3</sup>			
Hardness *	688 HV (CB60)			
Color	White ( glossy sheen )			

<sup>\*</sup>typical values

Product code	Size range (ø,mm)*	Product code	Size range (ø,mm)*
CB 505	0.01 – 0.03	CB 100	0.125 – 0.18
CB 400	0.03 – 0.063	CB 80	0.18 – 0.25
CB 205	0 – 0.063	CB 60	0.125 – 0.25
CB 170	0.045 – 0.09	CB 40	0.25 – 0.425
CB 125	0 – 0.125	CB 30	0.425 – 0.60
CB 120	0.063 – 0.125	CB 20	0.60 – 0.850

<sup>\*</sup>other sizes can be customized

Manufacturer/	Chemco Advance Material (Suzhou) Co., Ltd					
Supplier	Manufacturing plant: Guangfu Industrial Park, Fengshan Road, Guangfu Town,					
	Suzhou, 215159, CHINA					
	Phone: +86 186 1680 9761					
	Email: info@chemcobeads.com Website: www.chemcobeads.com					

## Material Safety Data Type CB

In compliance with REACH regulation EC No.1907/2006 and US GHS



Updated 15/10/2021

Identification	REACH registration numbers: Exempted from registration under REACH regulation EC					
	No. 1907/2006					
Composition	Components	Weight*	CAS No.	EC No.		
	Zirconium dioxide ZrO <sub>2</sub>	60- 70 %	1314-23-4	215-227-2		
	Silicon glass SiO <sub>2</sub>	20- 30 %	60676-86-0	262-373-8		
	Aluminum oxide Al <sub>2</sub> O <sub>3</sub>	< 10%	1344-28-1	215-691-6		
	Additional information:					
	The ingredients of the silica-alumina vitreous phase cannot be dissociated by the					
	product application in surface treatment by impact and it is free from crystalline silica.					
	Traces of radioactive elements of natural origin (Series U238 & Th232, U + Th < 0.05 %)					
	*typical values					
Hazards identification	CLP regulation EC 1272/2008: Not classified as a hazardous product					
	OSHA GHS (US): Not classified as a hazardous product					
	Health rating: 0 – None					
	Flammability rating: 0 – None					
	Reactivity rating: 0 – None					
	Possible irritation through abrasive friction.					
	Risk of slipping if the product (beads) is spread out on the floor.					
	As such, the product should not cause an inhalation problem but its utilization can					
	create dust.					
First aid measures	Eyes: may be abrasive through	friction, treat as p	article in eye.			
Firefighting measures	This product is not combustible or explosive. Does not present any particular risk in the					
	event of fire. Does not require any particular methods.					
Accidental release	Isolate the area and sweep the	floor in order to c	ollect the beads to a	void the slipping by		
measures	rolling.					
	Wear eye protectors and dust mask.					
Handling and storage	In case of operations, which generate dust, wear dust mask. Wear eye protectors.					
	Heavy material, respect the security rules in case of stocking. Use safety shoes for					
	handling.					
Physical / Chemical	Appearance and odor: odorless white beads					
Properties	Median diameter: < 1.0mm					
	Specific temperatures: over 1600℃					
	Bulk density: 2.3 g/cm <sup>3</sup>					
	Mess density: 3.85 g/ cm <sup>3</sup>					
	Solubility in water: insoluble					
Disposal	Whatever cannot be saved for recovery or recycling should be managed in an					
consideration	appropriate waste disposal facility. Dispose of packaging and unused contents in					
CONSIDERATION	appropriate maste aleperation	accordance with governmental and local requirements.				
Consideration						