



| | |
|-------------------------|---|
| Product name | Ceramic Shots for Blast Cleaning & Micro blasting |
| Product type | CB |
| Features | <ul style="list-style-type: none"> - Reduced beads consumption (8 - 10 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 | <p>CB beads can be used in these applications (just name a few):</p> <ul style="list-style-type: none"> - 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* | |
| Specific density | 3.85 ± 0.05 g/cm ³ |
| Bulk density | 2.3 kg/l |
| Hardness | 700 HV |
| Color | White |

*typical values

| Product code | Size range (mm)* | Product code | Size range (mm)* |
|--------------|------------------|--------------|------------------|
| CB 505 | 0.010 – 0.030 | CB 125 | 0 – 0.125 |
| CB 400 | 0.030 – 0.063 | CB 60 | 0.125 – 0.25 |
| CB 205 | 0 – 0.063 | CB 40 | 0.25 – 0.425 |
| CB 170 | 0.045 – 0.09 | CB 30 | 0.425 – 0.6 |
| CB 120 | 0.063 – 0.125 | CB 20 | 0.6 – 0.85 |

*other sizes can be customized

| | |
|-----------------------------------|---|
| Manufacturer/ supplier | <p>Chemco Advance Material (Suzhou) Co., Ltd Manufacturing plant: Guangfu Industrial park, Suzhou 215159, CHINA Phone: +86 186 1680 9761 +86 130 6175 4836 Email: info@chemcobeads.com Website: www.chemcobeads.com</p> |
|-----------------------------------|---|

Material Safety Data Type CB

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



CHEMCO

Updated 06/05/2018

| | | | | |
|--------------------------------|--|-----------|------------|-----------|
| Identification | REACH registration numbers: Exempted from registration under REACH regulation EC No. 1907/2006 | | | |
| Composition | Components | Weight* | CAS No. | EC No. |
| | Zirconium dioxide ZrO ₂ | 60 - 70 % | 1314-23-4 | 215-227-2 |
| | Silicon glass SiO ₂ | 20 - 30 % | 60676-86-0 | 262-373-8 |
| | Aluminum oxide Al ₂ O ₃ | < 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 particle 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 measures | Isolate the area and sweep the floor in order to collect the beads to avoid the slipping by 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 Properties | Appearance and odor: odorless white beads Median diameter: < 1.0mm Specific temperatures: over 1600°C Bulk density: 2.3 g/cm ³ Mess density: 3.85 g/ cm ³ Solubility in water: insoluble | | | |
| Disposal consideration | Whatever cannot be saved for recovery or recycling should be managed in an appropriate waste disposal facility. Dispose of packaging and unused contents in accordance with governmental and local requirements. | | | |
| Transport information | Not restricted | | | |