AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Product Name: Cadmium Balls 2"
CAS Number: 7440-43-9

Formula: Cd
Molecular weight: 112.411 g/mol.
Grade: 99.99%

Typical Properties

- Appearance: Silvery metallic
- Specific Gravity: 8.642 g/cm^3
- Melting Point: 320.9^{0}C
- Boiling Point: 765^{0}C
- Brinell Hardness 203 MPa



Product Specifications

Appearance	Silvery metallic	
Properties	Specifications	
Metals	Min (%)	Max (%)
Cadmium	99.99	
Copper		0.002
Lead		0.01
Iron		0.001
Thallium		0.0035
Zinc		0.003
Nickel		0.001

Meets ASTM B440-12 (2021)

The demand for plating Cadmium as a corrosion-resistant coating on steel has decreased over the recent years. Cadmium compounds are used as red, orange and yellow pigments, to color glass, and to stabilize plastic. Cadmium use has generally been decreasing because of its toxicity. It is specifically listed in the European Restriction of Hazardous Substances, which explains the general decline in nickel-cadmium batteries and the replacement with nickel-metal hydride and lithium-ion batteries. One of its few new uses is cadmium telluride solar panels.

Storage and Handling: Handle in a well ventilated are. Avoid creating dust. Avoid exposure to high temperature. Avoid breathing dust or fumes. Avoid contact with skin and eyes. Wash thoroughly before eating or smoking. Store in sealed container, in a cool, dry area. Do not store with oxidizers, acids or halogens.

Packaging: Sealed tight white 22,68 kg pails.

Transport Regulations: Not regulated.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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