AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Product Name: Cadmium Oxide
CAS Number: 1306-19-0
Formula: CdO
Molecular weight: 128.41 g/mol.
Grade: Technical

Typical Properties

- Physical State: Powder
- Appearance: Red Ochre
- Odour: Odourless
- Density: 8.26 g/cm^3
- Degree of Purity: 80 - 100%



Cadmium Oxide

Product Specifications

Properties	Specification		Typical
Appearance:	Red Ochre		
	Min	Max	
Cadmium (Cd) %	87.0		87.4
Lead (Pb) %		0.0050	0.0001
Nickel (Ni) %		0.0015	0.0001
Iron (Fe)%		0.0030	0.0001
Manganese (Mn)%		0.0010	<0.0001

Aqua Bond sells high quality cadmium oxide, with a minimum of 87 percent cadmium metal to Aerospace customers for their electroplating process. Cadmium oxide is used in other areas such as marine and military for commercial electroplating of cadmium applications. Cadmium oxide is also used in pigments and is a source of highly insoluble thermally stable cadmium for glass, optic and ceramic applications. It also is used in nitrile rubbers and plastics such as Teflon to improve high-temperature properties and heat resistance.

The two main uses for cadmium oxide are industrial and consumer. Industrial uses are agricultural chemicals, excluding pesticides, flame retardants, metal feed material, battery additives, and plating agents and surface treating agents. Consumer uses include batteries, electrical and electronic products, paints and coatings and plastics and rubber products.

Storage and Handling: Keep in a cool, well-ventilated place. Store in a dry place with sealed containers.

Packaging: Sealed in UN Metal Cans; 25 kg

Transport Regulations: Cadmium 6.1, UN 2570, PGI

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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