

## SPECIFICATION

### Cadmium Sulfide

Parameters	Specification
CAS Number	1306-23-6
Appearance	Bright yellow to orange-yellow powder
Molecular Formula	CdS
Molecular Weight	144.48 g/mol
Boiling Point	1800 °C
Melting Point	1510 °C
Flash Point	500 °C
Purity	98–99%
Refractive Index	2.5
Solubility	Insoluble in water; soluble in acids
Uses	Pigment (cadmium yellow); semiconductor material for optoelectronic devices; applications in LEDs and solar cells

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