



## COPPER ( I ) IODIDE - Physical & Chemical Properties [ Cuprous iodide, Copper monoiodide ]

CASR No.	[ 7681 – 65 - 4 ]
EC-No.	231 – 674 - 6
HS-No.	2827 60 00
Merck-Index	10, 2655
Fieser	10, 107
SAX	6, 805
Mol. Formula	CuI
Mol. Weight	190.44
Bulk Density	~ 1400 kg / m <sup>3</sup>
Melting point	602 °C
Solubility in H <sub>2</sub> O, 20 °C	Almost insoluble
Atmospheric Susceptibility	Light sensitive, aerial oxidation

### Relevant Risk, Safety & Disposal Aspects

Risk	R 22-36	Harmful in contact with eyes and skin, toxic by inhalation or if swallowed.
	R 37	Wear suitable gloves.
	R 38	In case of insufficient ventilation wear suitable respiratory equipment.
Safety	S 26-36	In case contact with eyes/skin wash with plenty of water and seek medical assistance. Use protective clothes.
Disposal	D 15	Dilute with water and neutralize with Sodium thiosulphate solution.

### Application, Storage & Packing

Application	In Sandmeyer reaction in Organic Synthesis, Catalytic-promoter in polymer chemistry, Reducing agent & stabilizer in chemical reactions.
Storage	Store in a well closed container away from moisture.
Packing	In 25 kg with double polythene bags inside HDPE Drum.



## COPPER ( I ) IODIDE – LR

Description	Greenish - grayish powder
Assay ( oxidimetric, dry basis )	min. 99.0 %

### ***Maximum Limits of Impurities***

Loss on drying ( 110 °C, 2 hours )	0.5 %
Sulphate ( SO <sub>4</sub> )	0.2 %
Iron ( Fe )	0.005 %