

Identification of the substance: Cooper oxide

Substance name	Cooper oxide
EC	215-269-1
CAS	1317-38-0
IUPAC	Cooper (II) oxide
Molecular formula	CuO
Forms in the market	No data

Physical and chemical properties

Shape	No data
Size (nm)	No data

Toxicological information

Inhalation acute toxicity	Very toxic
	Nontoxic
Dermal acute toxicity	No data
Oral acute toxicity	No data
Genotoxicity	No data
Cytotoxicity	No data

Ecotoxicological information

Freshwater Acute toxicity (Daphnia)	LC50 = 2.6 mg/L (Toxic)
	LC50 = 1.7 mg/L (Toxic)
	LC50 = 2.6 mg/L (Toxic)
Freshwater Acute toxicity (Alga)	EC50 = 0.71 mg/L (Very toxic)
	EC50 = 0.8 mg/L (Very toxic)
Freshwater Acute toxicity (Fish)	DL50 = >100 mg/L (Nontoxic)
Soil invertebrates (worms)	No data
BAF-Bioaccumulation	No data

Application

Industrial uses	Coatings Plastic Additives
Improved properties	Viscosity reduction Flow Mechanical properties Thermoplastic properties Nucleating agent out Higher extrusion speeds Flame retardant Abrasion resistance