





COPPER (II) OXIDE POWDER AR/ACS SUITABLE FOR ELEMENTARY ANALYSIS

PRODUCT CODE	R01155	
SYNONYMS	[Cupric oxide powder AR/ACS]	
C.I. NO.	--	
CASR NO.	(1317-38-0)	
ATOMIC OR MOLECULAR FORMULA	CuO	CuO
ATOMIC OR MOLECULAR WEIGHT	79.55	
PROPERTIES	Soluble in acids,difficultly soluble in water.	
PARAMETER	LIMIT	
Description	A fine black powder.	
Solubility	Dissolve 2 gm by warming on a steam bath with mix of 5 ml HCl and 5 ml water the solution should be clear.	
Minimum Assay(Iodometric)	99.0%	
MAXIMUM LIMIT OF IMPURITIES		
HCl insoluble matter	0.02%	
Carbon compound (C)	0.05%	
Chloride (Cl)	0.005%	
Sulphate (SO ₄)	0.01%	
Calcium (Ca)	0.01%	
Iron (Fe)	0.05%	
Lead (Pb)	0.05%	
Total Nitrogen compound(N)	0.002%	
Potassium (K)	0.02%	
Sodium (Na)	0.05%	
Substances not ppted byH ₂ S (as SO ₄)	0.2%	
Note(s) : Assay (if applicable) method mentioned.		
WARNING	IMDG Code : 9/III	
Hazard statements: Causes mild skin irritation. Causes eye irritation. Toxic to aquatic life with long lasting effects.	UN No.	3077
Precautionary statements:	IATA	9
Prevention: Wash hands thoroughly after handling.		
Response: If skin irritation occurs, seek medical advice/ attention. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.		
Disposal: Dispose of contents and container in accordance with relevant legislation.		
Hazard Pictogram(s) :	 	
	GHS05	GHS07

replace Date 1 April 2023

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