



Product Specification

Product Name: COPPER(II) OXIDE Powder LR

Alternate Name(s) Copper oxide black; cupric oxide; copper monoxide; black copper oxide.

Description

Black to brownish-black amorphous or crystalline powder. Minimum 94% passing 53 µm (300 mesh).

Properties

Chemical Formula: CuO

Molecular Weight: 79.55

Product Code: CL055

CAS No. 1317-38-0

General Information:

Soluble in mineral acids. Incompatible with Aluminium, boron, CsHC2, hydrazine, hydrogen, hydrogen sulfide, lead oxide, magnesium, phospham, potassium, RbHC2, PN2H, sodium, titanium and zirconium.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH2A

Poison schedule: S6

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 97.5% min.

Specific Properties and Impurities [Typical levels]:

Decomposition Temp. 1026 °C

pH Value (50 g/l, H₂O, 20 °C) (slurry) ~7

Specific Gravity 6.32

Melting Point 1326 °C

Copper (I) Oxide (Cu₂O) ≤ 0.1%

Water (H₂O) ≤ 0.2%

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