



>>Entry Name: Copper(II) iron(III) oxide (CuFe₂O₄)

CAS Registry Number: 12018-79-0

CuFe₂O₄

Molecular Formula: CuFe₂O₄

Molecular Weight: 239.238

Accurate Mass: 238.789136

Percentage Composition: Cu 26.56%; Fe 46.69%; O 26.75%

General Statement: Mineral with spinel struct.

Physical Description: Black cryst.

>>Variant: Mineral-form

Synonym(s): Cuprospinel

CAS Registry Number: 39400-43-6

Molecular Formula: CuFe₂O₄

Molecular Weight: 239.238

Accurate Mass: 238.789136

Percentage Composition: Cu 26.56%; Fe 46.69%; O 26.75%

General Statement: Contains Mg: formulated as (Cu,Mg)Fe₂O₄

Source/Synthesis: Occurs assoc. with haematite in highly oxidised material

Physical Description: Black grains. Massive habit

References:

Nickel, E.H., *Can. Mineral.*, 1973, **11**, 1003, (*phys prop, struct*)

Povarennykh, A.S., *CA*, 1980, **93**, 189275c, (*ir*)