

COPPER (I) Selenide

Copper selenide is an inorganic binary compound consisting of copper and selenium. Its formula is sometimes described as CuSe or Cu₂Se, but it is non-stoichiometric. It is a semiconductor and is frequently grown as nanoparticles or other nanostructures. Copper selenide is a p-type semiconductor often used in solar cells, optoelectronics, gas sensors, superionic conductors, thermoelectric converters, photothermal therapy and electro-conductive structures. High purity crystals of copper selenide are particularly suitable in building long-lasting efficient photovoltaic cells. In the electronic industry, anisotropic particles of copper selenide are of great interest because of their potential in the miniaturization of electronic components.



PURITY
99.9%

Packing Sizes:

25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders



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Cu₂Se

CAS
20405-64-5

NS6130-12-000160

Quick Facts

Product	: Copper (I) Selenide
Stock No	: NS6130-12-000160
CAS	: 20405-64-5
Color	: Dark Gray
Form	: Powder

TECHNICAL Specification

Formula	: Cu ₂ Se
Purity	: 99.9%
Molecular Weight	: 206.05g/mol
Density	: 6.84g/cm ³
Melting Point	: 1113°C

APPLICATIONS

- ✓ Used as solar cell materials
- ✓ Used as optical filters
- ✓ Used as thermoelectric converters
- ✓ Used as electro-optical devices
- ✓ Used as microwave shield coatings



202ICE4589C



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202ICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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