

# COPPER INDIUM Gallium Selenide Powder

Copper indium gallium selenide (CIGS) based solar cells are receiving worldwide attention for solar power generation. Copper indium gallium (di)selenide (CIGS) is a I-III-VI<sub>2</sub> semiconductor material composed of copper, indium, gallium, and selenium. The material is a solid solution of copper indium selenide (often abbreviated "CIS") and copper gallium selenide. It is mainly used in the manufacture of advanced solar cells owing to its high absorption coefficient and ability to strongly absorb sunlight. It has been described as one of the potential successors to silicon as the dominant material in photovoltaics.



**CAS**  
12018-95-0

NS6130-12-000303

## Quick Facts

Product	: Copper Indium Gallium Selenide Powder
Stock No	: NS6130-12-000303
CAS	: 12018-95-0
Color	: Silver Grey
Form	: Powder

## TECHNICAL Specification

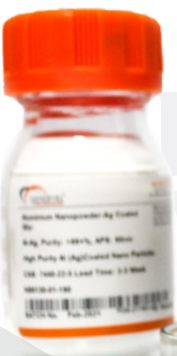
APS	: 1-2 $\mu$ m
Purity	: 98%
Molecular Weight	: 327.05 g/mol
Density	: 5.7 g/cm <sup>3</sup>
Melting Point	: 990-1070°C

## APPLICATIONS

- ✓ Photovoltaic applications
- ✓ Sun angle detectors in space applications
- ✓ Unmanned aerial vehicles.

**APS**  
1-2 $\mu$ m

**PURITY**  
98%



### Packing Sizes:

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



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20ZICE4589C



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ISO 9001:2015  
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