

Technical Data Sheet

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Indium chloride

Product Identification

Product name : Indium chloride
Chemical Formula : $\text{InCl}_3 \cdot 4\text{H}_2\text{O}$
CAS No. : 13465-10-6

Physical and Chemical Properties

Property	Value / Description
Purity	99.5% min
Physical State	Solid
Color	White to slightly yellow
Density	3.46 g/cm ³
Melting Point	224 °C
Boiling Point	608 °C
Solubility in Water	Moderately soluble
Electrical Properties	Conductive when molten
Stability	Hygroscopic; stable at room temp
Reactivity	Lewis acid, reacts with water to form tetrahydrate, reacts with strong oxidizers

Applications

Precursor for indium tin oxide (ITO) in displays and solar cells, catalyst for organic synthesis (e.g., Friedel-Crafts acylation, Diels-Alder reaction), dopant in semiconductors, thin film transistor production, electrodeposition, battery manufacturing, quantum dot synthesis, organometallic reagent, research and development

Packing

500g net in sealed containers

Shipping Regulations

Not subject to transport regulations

Safety Information

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

***The information provided herein is for reference purposes only, and the user is responsible for determining the suitability of the product for their specific application.