

Indium Corp. InCl3 Indium Trichloride

Category : Ceramic , Halide

Material Notes:

Indium Trichloride is a white, odorless and highly deliquescent powder. Its particles are flake shaped and highly soluble in water and mineral acids. It is used as a starting chemical for the synthesis of other inorganic indium compounds and as an additive to alkaline batteries to reduce outgassing and improve electrical load. Indium Trichloride is available as an anhydrous powder and as a solution up to its solubility limit. White deliquescent powder
Uses: Chemical synthesis; alkaline battery additive
Purity Grades Available: 4N (99.99%), 5N (99.999%)
Crystalline Form: White plates, deliquescent
Isomorphous with: AlCl₃, YCl₃
Coordination Number: 6
Information provided by the manufacturer, Indium Corporation of America.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-InCl3-Indium-Trichloride.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.97 g/cc	1.97 g/cc	Saturated Solution
	3.46 g/cc	3.46 g/cc	Solid
Solubility in Water	66.11 %	66.11 %	
	@Temperature 22.0 Å°C	@Temperature 71.6 Å°F	
Molecular Weight	221.18 g/mol	221.18 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	586 Å°C	1090 Å°F	
Boiling Point	600 Å°C	1110 Å°F	Volatizes
Sublimation Temperature	300 Å°C	572 Å°F	

Component Elements Properties	Metric	English	Comments
Indium, In	50.5 - 52.5 %	50.5 - 52.5 %	
	51.91 %	51.91 %	Theoretical

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