

# IndiTri™

## Indium (III) Chloride

Standard, Type A



High Density, Type H



Indium (III) chloride ( $\text{InCl}_3$ ) is the standard precursor material in reactions that incorporate indium's unique properties in functional products. The IndiTri™ products include:

### IndiTri™ Type A

Particle morphology that looks like flakes.

### IndiTri™ Type H

Contains higher density particles with a glassy appearance; ideal for applications with space restrictions, e.g., in glove box environments.

### IndiTri™ Solutions

Customized In concentrations are available with DI water or ethanol solutes.

### Uses for IndiTri™

- Chemical synthesis and research
- Precursor for manufacturing TMI (trimethylindium) for the compound semiconductor industry
- Additive in alkaline batteries to reduce hydrogen outgassing
- Precursor for ITO coating processes
- Proprietary indium electroplating chemistries

# IndiTri™

## Indium (III) Chloride

Attribute	Type A	Type H
Particle shape	Flake	Irregular
Appearance	White deliquescent powder	White, glassy, deliquescent powder
Apparent density	0.25–0.4g/cc	1.3–1.45g/cc
Nominal In percentage	50.5–52.5	51.0–52.8
Molecular weight	221.18	
Melting Point	586°C	

Contact our engineers: [askus@indium.com](mailto:askus@indium.com)  
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