

PRODUCT DATA SHEET

Indium Acetate

In(CH₃COO)₃

Introduction

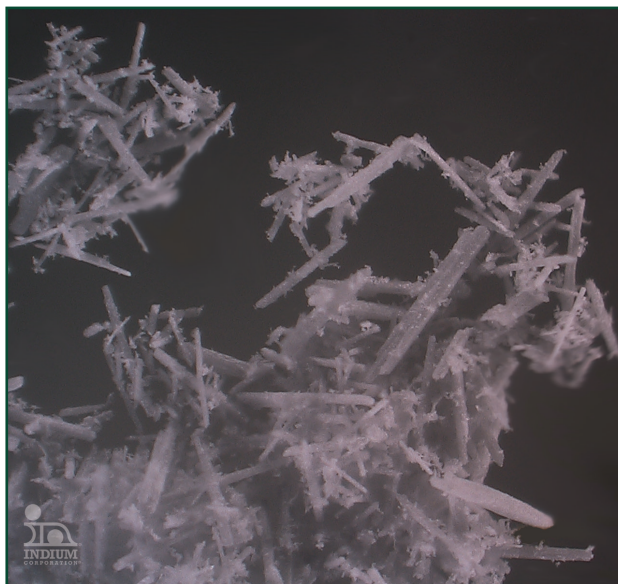
Indium acetate is a white powder that is freely soluble in mineral acids. It consists of needle-shaped crystals which decompose to indium oxide upon heating. Indium acetate is available in the grades listed below.

Properties

Chemical Formula	In(CH ₃ COO) ₃
Molecular Weight	291.94
General Description	<ul style="list-style-type: none"> • White powder with a characteristic acetic odor • Needle-shaped crystalline morphology
Uses	<ul style="list-style-type: none"> • InP quantum dots (precursor) • Chemical synthesis (precursor) • Alkaline battery chemistries (reduce outgassing and improve efficiency)
Purity	4N5 (99.995%)
Solubility	<ul style="list-style-type: none"> • Freely soluble in mineral acids • Also soluble in carboxylic acids at elevated temperatures
Tap Density	<1 g/cc
Indium Percentage	Available in 3 grades, with In % ranges as shown in table below

Note: Because the indium acetate produced is basic acetate, it will contain more indium as metal than theoretical (39.3%).

Indium Acetate Grade	In %
Standard	41.5–44.5%
Premium	44.5–45.5%
Premium Plus	45.0–46.0%



Standard Packaging Powder

Quantity*	Container
1.25kg	3.8 liter plastic (HDPE)
0.33kg	1 liter plastic (HDPE)

*All package sizes contain suitable dessicant. Packaging in other sizes or in glass may be available upon request.

Storage and Shelf Life

Indium acetate should be stored at room temperature and the container kept tightly sealed. **Indium acetate** has a shelf life of 12 months.

Safety Data Sheets

The SDS for this product can be found online at <http://www.indium.com/sds>

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