

PRODUCT DATA SHEET

# Indium Acetate

## In(CH<sub>3</sub>COO)<sub>3</sub>

### Introduction

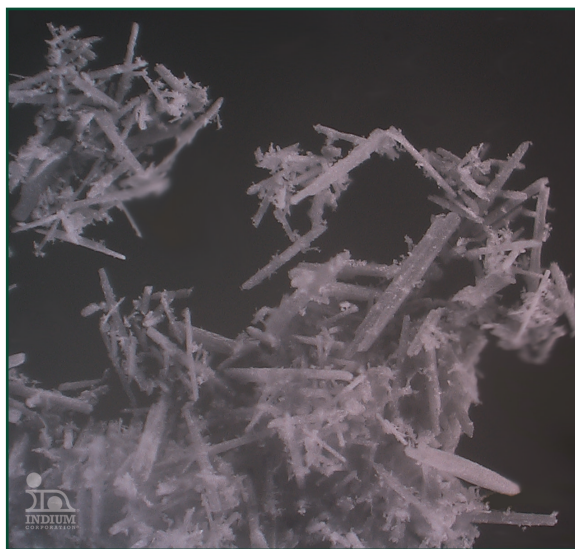
**Indium acetate** is a white powder that is freely soluble in mineral acids. It consists of needle-shaped crystals which decompose to indium oxide upon heating. Indium acetate is available in the grades listed below.

### Properties

Chemical Formula	In(CH <sub>3</sub> COO) <sub>3</sub>
Molecular Weight	291.94
General Description	<ul style="list-style-type: none"> <li>• White powder with a characteristic acetic odor</li> <li>• Needle-shaped crystalline morphology</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• InP quantum dots (precursor)</li> <li>• Chemical synthesis (precursor)</li> <li>• Alkaline battery chemistries (reduce outgassing and improve efficiency)</li> </ul>
Purity	4N5 (99.995%)
Solubility	<ul style="list-style-type: none"> <li>• Freely soluble in mineral acids</li> <li>• Also soluble in carboxylic acids at elevated temperatures</li> </ul>
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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