



# Cesium Hydrogen Carbonate (Cesium Bicarbonate) industrial

<b>Product number :</b>	426016
<b>CAS-No. :</b>	[15519-28-5]
<b>Appearance :</b>	hygroscopic and lumpy material
<b>Formula :</b>	CsHCO <sub>3</sub>
<b>Formula weight :</b>	193.92
<b>Cesium content :</b>	68.54 % (theoretical)
<b>Bulk density :</b>	approx. 1.4 kg/l
<b>Solubility :</b>	209 g in 100 g H <sub>2</sub> O at 15°C
<b>Stability :</b>	onset of decomposition at approx. 30°C

## Chemical analysis

Li	max.	5 ppm
Na	max.	200 ppm
K	max.	200 ppm
Rb	max.	1500 ppm
Ca	max.	10 ppm
Ba	max.	50 ppm
SO <sub>4</sub>	max.	100 ppm
Cl	max.	100 ppm

Deliveries are accompanied by a lot specific certificate of analysis. If any of these values is critical to your application, please let us know.

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<b>Applications</b>	Cesium hydrogen carbonate is used as a base in organic reactions.
<b>Safety and handling</b>	The material is less hygroscopic than cesium carbonate. Contact to skin and eyes or ingestion will cause serious caustic burns.
<b>Packaging</b>	PE bottles or bags with aluminium barrier in drums (fibre drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). The aluminium barrier prevents diffusion of moisture into the product. Alternative packing on request. Smaller units are available at surcharge.
<b>Transport classification</b>	Please refer to the safety datasheet of this product.
<b>Cesium product range</b>	acetate aluminium fluoride bicarbonate bromide carbonate chloride fluoride hydrogen carbonate hydroxide, aqueous solution or monohydrate iodide metal nitrate sulfate  <i>available in various grades, other products on request</i>