



Cesium Hydroxide

50% solution in water

technical

Product number :	423506
CAS-No. :	[21351-79-1]
Appearance :	colourless solution
Formula :	CsOH
Formula weight :	149.91
Cesium content :	44.33 % (solution, theoretical)
Density of solution:	approx. 1.725 kg/l

Chemical analysis

Li	max.	5 ppm
Na	max.	100 ppm
K	max.	200 ppm
Rb	max.	200 ppm
Ca	max.	5 ppm
Ba	max.	30 ppm
Sr	max.	5 ppm
Al	max.	10 ppm
P ₂ O ₅	max.	15 ppm
SO ₄	max.	50 ppm
Cl	max.	100 ppm
NO ₃	max.	25 ppm
SiO ₂	max.	40 ppm

Values are given on dry salt basis.

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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Applications	Cesium hydroxide solution is used in industrial catalysis. Cesium acts as a promoter e.g. in the production of polyols.
Safety and handling	Contact to skin and eyes or ingestion will cause serious caustic burns, as cesium hydroxide is an extremely strong base. Incompatible materials: acids, carbon dioxide (e.g. from air)
Packaging	PE bottles or Mauser containers. Alternative packing on request.
Transport classification	Please refer to the safety datasheet of this product.
Cesium product range	acetate aluminium fluoride bicarbonate bromide carbonate chloride fluoride hydrogen carbonate hydroxide monohydrate iodide metal nitrate sulfate <i>available in various grades, other products on request</i>