Cesium Chloride
50 % solution in water
industrial

Product number :	423631
CAS-No. :	[7647-17-8]
Appearance :	colourless solution
Formula :	CsCl
Formula weight :	168.36
Cesium content :	39.47 % (solution, theoretical)
Specific gravity :	3.983 g/cm^3 (theoretical; dry salt basis)
Density of solution :	1.585 – 1.640 kg/l
Melting point :	642°C
Solubility :	186 g (dry salt) in 100 g H_2O at 20 °C
pH-Value :	5-9

Chemical analysis

Li	max.	20	ppm
Na	max.	1000	ppm
K	max.	200	ppm
Rb	max.	2000	ppm
Ca	max.	20	ppm
Mg	max.	20	ppm
Sr	max.	50	ppm
Ba	max.	50	ppm
Al	max.	50	ppm
Fe	max.	10	ppm
Cr	max.	10	ppm
SO_4	max.	200	ppm
SiO_2	max.	100	ppm
Pb	max.	5	ppm
Ni	max.	5	ppm

Values are based on the dry salt. The solution contains insoluble matter.

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 chloride is particularly used for organic synthesis, tracer purposes and in titanium dioxide manufacturing processes.

Safety and handling

Contact to skin and eyes should be avoided. Cesium chloride solution should be stored in tightly closed containers.

Packaging

Mauser containers or PE cans

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, aqueous solution or monohydrate
iodide
metal
nitrate
sulfate

available in various grades, other products on request

Chemetall GmbH
Special Metals Division

Trakehner Straße 3
D-60487 Frankfurt am Main

Phone +49 69 7165-3911
Fax +49 69 7165-2523
Mail cesium@chemetall.com