

TECHNICAL DATA SHEET

Date of Issue: 2016/08/29

Cesium Chloride, purity min. 99 % (50 % solution in water)

CAS-No.	7647-17-8
EC-No.	231-600-2
REACH No.	01-2119977124-35
Molecular Formula	CsCl
Product Number	423631

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

PURITY min. 99 %

SPECIFICATION

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
SO4	max. 200 ppm

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.

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SiO₂ max. 100 ppm

Values are based on the dry salt. The solution may contain 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.

PHYSICAL PROPERTIES

Appearance	aqueous solution
Color	colorless
Boiling point/boiling range	ca. 100 °C
Density	1.58 - 1.64 g/cm ³ at 20 °C
Water solubility	(completely miscible)
Molecular weight	168.36 g/mol
Additional Physical Properties	Concentration: 50 - 53 % by weight

HANDLING & STORAGE

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

TRANSPORT & PACKAGING

ADR
Not regulated as a dangerous good

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Hazard pictograms



Signal Word

Warning

H&P Phrases

See Safety Data Sheet

Labelling

The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging

IBC containers (e.g. Mauser, Schütz) or PE cans. Alternative packaging available on request.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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