TECHNICAL DATA SHEET

Date of Issue: 2026/07/03

Cesium Chloride, purity min. 99.99 %

CAS-No.	7647-17-8
EC-No.	231-600-2
REACH No.	01-2119977124-35-0000
Molecular formula	Cl-Cs
Product number	10000340, 10000341, 10000342, 10001884

APPLICATION

Cesium chloride is used in organic synthesis and in titanium dioxide manufacturing processes.

PURITY

min. 99.99 %

SPECIFICATION

Li	max. 1 ppm
Ni	max. 5 ppm
Pb	max. 5 ppm
SiO2	max. 5 ppm
SO4	max. 10 ppm
Mn	max. 1 ppm
Cr	max. 1 ppm
Fe	max. 1 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.com.

Please contact us at www.albemarle.com/contact with questions.

Al	max. 1 ppm
Ba	max. 10 ppm
Sr	max. 5 ppm
Mg	max. 2 ppm
Ca	max. 5 ppm
Rb	max. 30 ppm
K	max. 15 ppm
Na	max. 10 ppm
insolubles	max. 25 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.

PHYSICAL PROPERTIES

Appearance	crystalline
Color	white
Melting point/ range	642 °C at 1,013 hPa Method: OECD Test Guideline 102
Boiling point/boiling range	1,297 °C
Density	3.97 g/cm3 at 20 °C Method: OECD Test Guideline 109
Bulk density	ca. 2,000 kg/m3
Water solubility	> 1,000 g/l at 20 °C Method: OECD Test Guideline 105
Molecular weight	168.36 g/mol

HANDLING & STORAGE

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.com.

Please contact us at www.albemarle.com/contact with questions.

Albemarle®

Storage	Cesium chloride is hygroscopic and should thus be stored in tightly closed containers under exclusion of moisture. The formation of agglomerates is an inherent characteristic of CsCl and may occur during storage despite compliance with the recommended storage conditions. Such agglomeration does not affect the material's conformity to specification.

TRANSPORT & PACKAGING

ADR
Not regulated as a dangerous good

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

Polyethylene bottles or bags in drums (fiber drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). Alternative packaging on request. Smaller units are available at surcharge.

OTHER INFORMATION

Further Related Documents	Safety Data Sheet

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.com.

Please contact us at www.albemarle.com/contact with questions.

Albemarle®