

## TECHNICAL DATA SHEET

Date of Issue: 2021/07/22

# Cesium Fluoride, purity min. 99.9 % (70 % solution in water)

CAS-No.	13400-13-0
EC-No.	236-487-3
REACH No.	01-2120774388-39-0000
Molecular formula	Cs-F
Product number	10000319, 10001835, 10001836

### APPLICATION

Cesium Fluoride is a fluorination agent for halide exchange reactions. It is a versatile base in organic synthesis and can be used in e.g. in polymerization reactions or in brazing fluxes.

### PURITY

min. 99.9 %

### SPECIFICATION

Li	max. 5 ppm
Na	max. 100 ppm
K	max. 300 ppm
Rb	max. 100 ppm
Ca	max. 5 ppm
Mg	max. 5 ppm
Sr	max. 5 ppm
Ba	max. 5 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.

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Al	max. 5 ppm
Fe	max. 10 ppm
Cr	max. 3 ppm
P2O5	max. 5 ppm
SO4	max. 100 ppm
CO3	max. 100 ppm
Cl	max. 100 ppm
free acid as HF	max. 0.1 %

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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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## PHYSICAL PROPERTIES

Appearance	liquid
Colour	colourless
Density	ca. 2.3 g/cm <sup>3</sup> at 20 °C ((For 70 % solution))
Water solubility	(completely miscible)
Molecular weight	151.90 g/mol
Additional Physical Properties	Concentration: 70 - 72 % by weight

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## HANDLING & STORAGE

Handling	Safe handling requires the safety precautions typical for inorganic fluorides. Thus, eyes or skin should not be exposed to cesium fluoride solution, otherwise severe irritation may result. Ingestion must be avoided because of the toxicity of fluoride. Absorb spilled liquids with lime.
Storage	Cesium Fluoride solution should be stored in tightly closed containers away from strong acids. Due to a possible HF content, glass and enamel may be damaged.

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## TRANSPORT & PACKAGING

### ADR

Not regulated as a dangerous good

### Hazard pictograms



### Signal word

Danger

### 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

Mauser containers or PE cans. Alternative packaging on request.

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## OTHER INFORMATION

### Further Related Documents

Safety Data Sheet

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