



Cesium Fluoride

70% solution in water

pure

| | |
|------------------------------|---------------------------------|
| Product number : | 423522 |
| CAS-No. : | [13400-13-0] |
| Appearance : | colourless liquid |
| Formula : | CsF |
| Formula weight : | 151.90 |
| Cesium content : | 61.25 % (solution, theoretical) |
| Density of solution : | 2.3 kg/l |

Chemical analysis

| | | |
|-------------------------------|------|---------|
| 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 |
| Al | max. | 5 ppm |
| P ₂ O ₅ | max. | 5 ppm |
| SO ₄ | max. | 100 ppm |
| CO ₃ | max. | 100 ppm |
| Cl | max. | 100 ppm |
| free acid as HF | max. | 0.1 % |

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 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 polymerisation reactions or in brazing fluxes. |
| Safety and handling | 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. 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. |
| Packaging | Mauser containers or PE cans. Alternative packaging 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, aqueous solution or monohydrate iodide metal nitrate sulfate <i>available in various grades, other products on request</i> |