



Cesium Hexafluoro Silicate industrial

Product number :	426072
CAS-No. :	[16923-87-8]
Appearance :	colourless amorphous powder, non hygroscopic
Assay :	min. 99 %
Formula :	Cs_2SiF_6
Formula weight :	407.88 g/mol
Cesium content :	65.49 (theoretical)
Specific gravity :	3.4 g/cm ³
Bulk density :	0.7 - 0.9 kg/l
Melting point :	n/a
Solubility :	max. 2.6 g in 100 g H ₂ O at 20°C
pH-Value :	3.5 - 4 (10 % aqueous suspension)

Chemical analysis* :

in % (theoretical)

Cs	65.5 %
F	28.1 %
Si	6.4 %

* **Should you consider any of these values to be critical, please let us know.**

Cesium Hexafluoro Silicate industrial

Applications :

Additive in welding rods of aluminium alloys, agent in fluorine chemistry, flux for reactive brazing.

Safety and handling :

Cesium hexafluoro silicate should be stored in tightly closed containers under exclusion of moisture. Due to its fluorine content, glass and enamel may be damaged.

Transport classification :

AIR: IATA-DGR: UN-No. 2856, fluorosilicates n.o.s., Class 6.1
Label: "TOXIC" /
Shipper's declaration
SEA: IMDG: Class 6.1 / UN-No. 2856
Label: "TOXIC" /
Certificate of shipment: Class 6.1
EMS: 6.1 - 04
MFAG: 750
MAIL: Not acceptable
RAIL: RID: Class 6.1, Fig. 64c / Label: 6.1
ROAD: ADR: Mixture Inorgan. Substances, Class 6.1, Fig. 64c,
In accordance with EEC regulations all packing units are marked as follows:
Symbol T "Toxic"
R: 23 / 24 / 25
S: 1/ 1 - 26 - 45

Packaging :

10 kg hard polyethylene bottles or poly bags in drums (fibre drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). Alternative packing on request. Smaller units available at surcharge.

Other cesium products :

Cesium metal
acetate
bicarbonate
bromide
carbonate
chloride
fluoride
hydrogen carbonate
hydroxide, aqueous solution or monohydrate
iodide
nitrate
oxalate
sulphate

Other grades and / or products on request

Edition :

October 1999 (supersedes April 1995)

Chemetall GmbH

Special Metals Division

Trakehner Straße 3
D-60487 Frankfurt am Main
P.O. Box 90 01 70
D-60441 Frankfurt a.M.
Phone +49 69 7165-3911
Fax +49 69 7165-2523
Mail cesium@chemetall.com

The above details have been compiled to the best of our knowledge on the basis of thorough tests and with regard to the current state of our long practical experience.

No liabilities or guaranties deriving form or in connection with this leaflet can be imputed to us. Reproduction in whole or in part, only for personal use.