TECHNICAL DATA SHEET

Date of Issue: 2016/08/29

Cesium Hydroxide, purity min. 99.95 % (50 % solution in water)

CAS-No. 21351-79-1

EC-No. 244-344-1

REACH No. 01-2119979562-25

Molecular Formula CsOH

Product Number 423507

APPLICATION Cesium hydroxide solution is used in industrial catalysis. Cesium acts as a

promoter e.g. in the production of polyols.

PURITY min. 99.95 %

SPECIFICATION

Li	max. 1 ppm	
Na	max. 100 ppm	
К	max. 200 ppm	
Rb	max. 10 ppm	
Ca	max. 2 ppm	
Mg	max. 1 ppm	
Ва	max. 15 ppm	
Sr	max. 5 ppm	
Al	max. 5 ppm	
Fe	max. 1 ppm	
Cr	max. 1 ppm	
P2O5	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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SO4	max. 25 ppm
CI	max. 100 ppm
NO3	max. 10 ppm
SiO2	max. 25 ppm
Pb	max. 5 ppm
Cu	max. 0.5 ppm
Zn	max. 1 ppm
Mn	max. 1 ppm
Hg	max. 1 ppm
As	max. 10 ppm
Ni	max. 0.5 ppm

Values are given on dry salt basis.

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 liquid

Color colorless

Boiling point/boiling

range

114 °C

Density ca. 1.74 g/cm3 at 20 °C

Water solubility (completely soluble)

Molecular weight 149.91 g/mol

Additional Physical

Properties

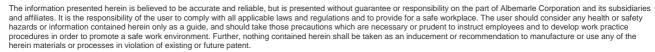
Concentration: 50 - 52 % by weight

HANDLING & STORAGE

Handling Contact to skin and eyes or ingestion will cause serious caustic burns, as cesium

hydroxide is an extremely strong base. Incompatible materials: acids, carbon

dioxide (e.g. from air).





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TRANSPORT & PACKAGING

UN number 2681

ADR	Class: 8	PG: II	Label: 8
RID	Class: 8	PG: II	Label: 8
IMDG	Class: 8	PG: II	Label: 8
IATA_C	Class: 8	PG: II	Packing instruction (cargo aircraft): 855
IATA_P	Class: 8	PG: II	Packing instruction (passenger aircraft): 851

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

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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