

101582 | Tetrachloroauric(III) acid trihydrate 99.5%



for analysis EMSURE®

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- [CoA](#)

Molar Mass: [393.83 g/mol](#) Hill Formula: [AuCl₄H * 3 H₂O](#) Chemical Formula: [AuCl₄H * 3 H₂O](#) EC Number: [240-948-4](#) CAS #: [16961-25-4](#)

101582

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Overview

Key Spec Table

CAS #	EC Number	Hill Formula	Chemical Formula	Molar Mass
16961-25-4	240-948-4	AuCl ₄ H * 3 H ₂ O	AuCl ₄ H * 3 H ₂ O	393.83 g/mol

Pricing & Availability

Catalogue Number	Availability	Packaging	Qty/Pack	Price	Quantity	
1015820001	Will advise Contact Customer Service	EPS box	1 g	Request Pricing	—	Add To Favorites
1015820005	Will advise Contact Customer Service	Fibre case	5 g	Request Pricing	—	Add To Favorites

Description

Catalogue Number	101582
Synonyms	Gold(III)chloride hydrochloric acid, Gold trichloride hydrochloride

Product Information

CAS number	16961-25-4
EC number	240-948-4
Hill Formula	AuCl ₄ H * 3 H ₂ O
Chemical formula	AuCl ₄ H * 3 H ₂ O
Molar Mass	393.83 g/mol
HS Code	2843 30 00

Physicochemical Information

Density	3.9 g/cm ³ (20 °C)
Melting Point	30 °C
pH value	(H ₂ O) strongly acid
Solubility	150 g/l (20 °C)

Safety Information according to GHS

Hazard Pictogram(s)	
Hazard Statement(s)	H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction.
Precautionary Statement(s)	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P310: IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.
Signal Word	Danger
RTECS	MD5428000
Storage class	8B Non-combustible, corrosive hazardous materials
WGK	WGK 2 water endangering
Disposal	27 Residues containing valuable recoverable metals should be forwarded for recycling. Container H.

Safety Information

Hazard Symbols	
Categories of danger	corrosive, sensitizing
R Phrase	R 34-43 Causes burns. May cause sensitisation by skin contact.
S Phrase	S 26-36/37/39-45 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Storage and Shipping Information

Storage	Storage temperature: no restrictions
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Transport Information

Declaration (railroad and road) ADR, RID	UN 3260 , 8, III
Declaration (transport by air) IATA-DGR	UN 3260 , 8, III
Declaration (transport by sea) IMDG-Code	UN 3260 , 8, III, Segregation Group: 1 (Acids)

Specifications

Specifications	
Identity (Raman-spectrum)	conforms
Assay (calculated of Au)	99.5 - 100.4 %