

## CHROMIC MIXTURE

CR0210 Chromic mixture



- Synonyms: Chromosulfuric acid, Dichromate sulfuric acid mixture
- CAS [65272-71-1]
- Density: 1,84 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Boiling point: 330 °C
- ADR: 8 C1 I UN 2240
- IMDG: 8 I UN 2240
- IATA/ICAO: 8 I UN 2240
- GHS-signal word: Danger

- GHS-H sentences: H334 - H340 - H350 - H360FD - H373 - H314 - H332 - H317 - H411
- GHS-P sentences: P260 - P285 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 3824 90 99 99
- Applications: for laboratory glassware cleaning.
- Appearance: Red-dark brown liquid

For glassware cleaning

ART. NO.	VOLUME	CONTAINER
CR02101000	1 l	0

## CHROMIUM(III) CHLORIDE HEXAHYDRATE

CR0190 Chromium(III) chloride hexahydrate, EssentQ®, Reag. Ph Eur



- CrCl<sub>3</sub>·6H<sub>2</sub>O
- M = 266,45 g/mol
- CAS [10060-12-5]
- EINECS-No.: 233-038-3
- Solub. in water: (20 °C): 590 g/l
- Melting point: 95 °C
- LD 50 (oral, rat): 1790 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302
- GHS-P sentences: P264 - P270 - P330 - P301 + P312 - P501a
- Tariff number: 2827 39 85 90

- Applications: analytical chemistry, synthesis of polymers, synthesis of organic products, for the synthesis of: chromium salts, corrosion inhibitor.

assay (iodometric) . . . . . min. 97 %  
 identification . . . . . passes test  
 pH (5 %, H<sub>2</sub>O) . . . . . 2 - 3  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,05 %  
 copper (Cu) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,03 %  
 lead (Pb) . . . . . max. 0,005 %  
 non precipitable by NH<sub>4</sub>OH (as SO<sub>4</sub>) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
CR01901000	1 kg	0

## CHROMIUM(III) NITRATE NONAHYDRATE

CR0194 Chromium(III) nitrate nonahydrate, EssentQ®



- Synonyms: Chromic nitrate nonahydrate
- Cr(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O
- M = 400,15 g/mol
- CAS [7789-02-8]
- EINECS-No.: 236-921-1
- Solub. in water: (20 °C): 810 g/l
- Melting point: 36 - 37 °C
- LD 50 (oral, rat): 3250 mg/l
- ADR: 5.1 O2 III UN 2720
- IMDG: 5.1 III UN 2720
- IATA/ICAO: 5.1 III UN 2720

- GHS-signal word: Danger
- GHS-H sentences: H272 - H302
- GHS-P sentences: P221 - P210 - P220 - P280 - P264 - P501a
- Tariff number: 2834 29 80 00
- Applications: for the synthesis of: catalyst (Cr); in the textile industry; corrosion inhibitor.

assay (iodometric) . . . . . min. 97 %  
 pH (5 %, H<sub>2</sub>O) . . . . . 2 - 3  
 chlorides (Cl) . . . . . max. 0,01 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,05 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,01 %  
 iron (Fe) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
CR01940500	500 g	0
CR0194005P	5 kg	0

## CHROMIUM(VI) OXIDE

AN0200 Chromium(VI) oxide, EssentQ®, Reag. Ph Eur



- Synonyms: Chromium trioxide, Chromic anhydride
- CrO<sub>3</sub>
- M = 99,99 g/mol
- CAS [1333-82-0]
- EINECS-No.: 215-607-8
- Solub. in water: (20 °C): soluble
- Melting point: 197 °C
- LD 50 (oral, rat): 80 mg/kg
- EC-Index-No.: 024-001-00-0
- ADR: 5.1 OTC II UN 1463
- IMDG: 5.1 II UN 1463
- IATA/ICAO: 5.1 II UN 1463
- GHS-signal word: Danger

- GHS-H sentences: H271 - H301 - H311 - H330 - H334 - H340 - H350 - H372 - H361f - H314 - H400 - H410 - H317
- GHS-P sentences: P221 - P283 - P303 + P361 + P353 - P305 + P351 + P338 - P320 - P361 - P405 - P501a
- Tariff number: 2819 10 00 00
- Applications: analytical chemistry, corrosion inhibitor, photography, oxidizing agent (synthesis of organic products), microscopy.

assay (iodometric) . . . . . min. 99 %  
 insoluble in water . . . . . max. 0,1 %  
 chlorides (Cl) . . . . . max. 0,02 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,05 %  
 loss on drying (105 °C) . . . . . max. 1 %

ART. NO.	VOLUME	CONTAINER
AN02000500	500 g	0
AN02001000	1 kg	0