



PRODUCT CODE: 121153

Chromium(VI) Oxide (Reag. Ph. Eur.) for analysis

CrO₃

CrO₃

M.= 99,99

CAS [1333-82-0]

EINECS 215-607-8

TARIC 2819 10 00 00

SYNONYMS: Chromic Acid, Chromic Anhydride, Chromium Trioxide

PHYSICAL DATA: flakes, crystals, Red-brown, Soluble in water 1.660 g/l at 20 °C Thermal decom. above 196 °C • Hygroscopic • D 2,7 • M.P.: 196 °C • pH(50 g/l)1 •

BIBLIOGRAPHY: Merck Index **12**, 2.293 13, 2.256 Sax **CMK000** • Safety **2** , **882 A** • Römp **8** , **746** • Kühn-Birett **C** 28 • Ullmann **(5.)**7 , 79 • Fieser **1144 272 354 496 5140 770 9115 1099 12131 13338 1460 1592** • ACS **XI** •

HAZARDOUS: C.E: 024-001-00-0 • RTECS: GB 6650000 • LD50 oral rat 52 mg/kg • LC50 rat 0,217 mg/l / 4h • LD50 skn rbt 57 mg/kg • VME (Cr) 0,05 mg/m3

Derived No Effect Level (DNEL)

DMEL Inhalation 0,02 mg/m3 DMEL Inhalation 0,02 mg/m3

Predicted No Effect Concentration (PNEC)

PNEC Soil 6µg/kg wwt PNEC Sewage treatment plant 0.4mg/l PNEC Freshwater 6.5µg/l PNEC Freshwater 60mg/kg



H: H350 • H340 • H271 • H310 • H301 • H330 • H314 • H334 • H317 • H372 • H361f • H410 •

P: P201 • P220 • P273 • P309+P311 • P501 • • • • • • • • • •

TRANSPORT REGULATIONS: UN: 1463 • ADR: 5.1(6.1)(8)/II • IMDG: 5.1(6.1)(8)/II • IATA: 5.1(6.1)(8)/II • PAX: 558 • CAO: 562 • (E) •

SPECIFICATIONS:

Minimum assay (Iodom.)	98,5%
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Maximum limit of impurities

Insoluble matter in H ₂ O	0,01 %
Chloride (Cl)	0,005%
Nitrogen compounds (as N)	0,005%
Sulfate (SO ₄)	0,05%
Precipitated substances by NH ₄ OH	0,05%

Al	0,005	%
Ba	0,005	%
Ca	0,005	%
Cd	0,005	%
Cu	0,005	%
Fe	0,01	%
K	0,005	%
Na	0,2	%
Pb	0,005	%
Zn	0,005	%

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Prod.: 121153