

Potassium dichromate 0,04 mol/l / mercury(II) sulfate 80 g/l, solution in sulfuric acid, for COD determination, according to ISO 6060**Identification**

Taric code: 3822 00 00

Applications

analytical chemistry, determining COD.

Specificationstiter 0,039 - 0,041
uncertainty $\pm 0,001$ 1 ml = 0,01176 g K₂Cr₂O₇

This volumetric solution was checked by means of volumetric methods using an ammonium iron(II) sulfate standard solution, that was also checked against Scharlau's potassium dichromate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

Physical data

- Density: ~ 1,19 g/cm³
- Solub. in water: (20 °C): miscible
- pH(20 °C) ~ 0,5

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H331: Toxic if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H340: May cause genetic defects.
- H350: May cause cancer.
- H360FD: May damage fertility. May damage the unborn child.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H314: Causes severe skin burns and eye damage.
- H302: Harmful if swallowed.
- H317: May cause an allergic skin reaction.
- H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER or doctor / physician.
- P320: Specific treatment is urgent (see on this label).
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 CT1 II • UN 2922 • CORROSIVE LIQUID, TOXIC, N.O.S.(Potassium dichromate, sol. in sulfuric acid)
- IMDG: 8 II • UN 2922 • CORROSIVE LIQUID, TOXIC, N.O.S.(Potassium dichromate, sol. in sulfuric acid)
- IATA/ICAO: 8 II • UN 2922 • CORROSIVE LIQUID, TOXIC, N.O.S.(Potassium dichromate, sol. in sulfuric acid)
- PAX: 808
- CAO: 812
- 10°C - 30°C