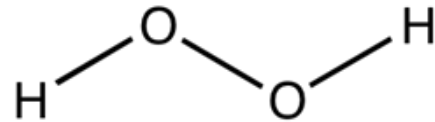


Hydrogen peroxide, solution 50% w/w (200 vol), EssentQ®**Identification**

H₂O₂
M = 34,01 g/mol
CAS [7722-84-1]
EC number: 231-765-0
Taric code: 2847 00 00

**Synonyms**

Hydrogen dioxide, Hydroperoxide

Applications

oxidizing agent, bleaching agent, for pharmaceuticals synthesizing, in the pharmaceuticals industry.

Specifications

| | | | |
|---|--------------|-----------------------------|--------------|
| assay (permanganometric)..... | approx. 50 % | arsenic (As)..... | max. 0,5 ppm |
| acidity (as H ₂ SO ₄)..... | max. 0,05 % | copper (Cu)..... | max. 0,001 % |
| chlorides (Cl)..... | max. 0,001 % | iron (Fe)..... | max. 5 ppm |
| nitrates (NO ₃)..... | max. 0,001 % | lead (Pb)..... | max. 0,001 % |
| phosphates (as PO ₄)..... | max. 0,005 % | nickel (Ni)..... | max. 0,001 % |
| sulfates (SO ₄)..... | max. 0,001 % | residue on evaporation..... | max. 0,05 % |

Physical data

- Density: 1,20 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: - 52 °C
- Boiling point: 114 °C
- Vapour pressure: (30 °C) 240 hPa
- pH(20 °C) 1,0 - 4,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H272: May intensify fire; oxidiser.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
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.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 OC1 II • UN 2014 • HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- IMDG: 5.1 II • UN 2014 • HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- IATA/ICAO: Forbidden • UN 2014 • HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- PAX: F
- CAO: F
- 10°C - 30°C