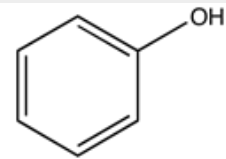


Identification

C₆H₆O
M = 94,11 g/mol
CAS [108-95-2]
EC number: 203-632-7
Taric code: 2907 11 00


Synonyms

Phenic acid, Hydroxybenzene, Carboic acid

Applications

synthesis of organic products, disinfectant, for pharmaceuticals synthesizing, manufacture of dyes, preservative agent, analytical chemistry, laboratory reagent.

Specifications

assay (bromometric, referred to dried sample)..... min. 99,5 %	chlorides (Cl)..... max. 0,005 %
identity (IR-spectrum)..... passes test	sulfates (SO ₄)..... max. 0,0005 %
pH (5 %, H ₂ O)..... 4,8 - 6,0	heavy metals (as Pb)..... max. 0,0005 %
	loss on drying max. 0,5 %
	DNases, RNases, Proteases passes test

Physical data

- Appearance: colorless or faintly pink or faintly yellowish, crystals or crystalline masses, deliquescent
- Spec. Density: 1,06 g/cm³
- Bulk density: ~ 620 kg/m³
- Solub. in water: (20 °C): 84 g/l
- Melting point: 41 °C
- Boiling point: 182 °C
- Flash point: 81 °C
- Ignition temperature: 595 °C
- Vapour pressure: (20 °C) 0,2 hPa
- Expl. limit (upper): 9,5 Vol %
- Expl. limit (lower): 1,3 Vol %
- pH(50 g/l H₂O, 20 °C) ~ 5
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H314: Causes severe skin burns and eye damage.
H341: Suspected of causing genetic defects.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.


Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T2 II • UN 1671 • PHENOL, SOLID
- IMDG: 6.1 II • UN 1671 • PHENOL, SOLID
- IATA/ICAO: 6.1 II • UN 1671 • PHENOL, SOLID
- PAX: F
- CAO: F
- 10°C - 30°C