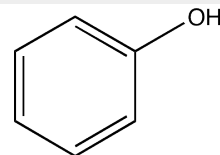


Identification

C_6H_6O
 $M = 94,11 \text{ g/mol}$
CAS [108-95-2]
EC number: 203-632-7
Taric code: 2907 11 00


Synonyms

Phenic acid, Hydroxybenzene, Carbolic acid

Applications

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

Specifications

assay (bromometric, referred to dried sample)...	99,0 - 100,5 %	appearance of solution.....	passes test
assay (bromometric).....	99,0 - 100,5 %	clarity of solution and reaction.....	passes test
Identification A (EP).....	passes test	freezing point.....	min. 39,5 °C
Identification B (EP) / B (USP).....	passes test	acidity.....	passes test
Identification C (EP) / A (USP).....	passes test	residue on evaporation (105°C; 1h).....	max. 0,05 %
		water (K.F.).....	max. 0,5 %

Physical data

- Appearance: colorless or faintly pink or faintly yellowish, crystals or crystalline masses, deliquescent
- Spec. Density: $1,06 \text{ g/cm}^3$
- Bulk density: $\sim 620 \text{ kg/m}^3$
- 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 H_2O , 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