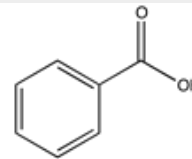


Identification

$C_7H_6O_2$
 M = 122,12 g/mol
 CAS [65-85-0]
 EC number: 200-618-2
 Taric code:


Synonyms

Benzenecarboxylic acid, Phenylformic acid

Applications

analytical chemistry, preservative agent, manufacture of dyes.

Specifications

assay (acidimetric).....	min. 99,9 %	copper (Cu).....	max. 5 ppm
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 5 ppm
melting point.....	122 - 123 °C	iron (Fe).....	max. 2 ppm
appearance of solution.....	passes test	lead (Pb).....	max. 2 ppm
insoluble in CH ₃ OH.....	max. 0,005 %	zinc (Zn).....	max. 5 ppm
halogen compounds (as Cl)	max. 0,01 %	sulphur compounds (as S).....	max. 0,002 %
chlorine compounds (as Cl).....	max. 0,005 %	substances reducing KMnO ₄	passes test
sulfates (SO ₄).....	max. 0,002 %	residue on ignition.....	max. 0,005 %

Physical data

- Appearance: irregular crystals or flakes, white
- Spec. Density: 1,321 g/cm³
- Bulk density: ~ 500 kg/m³
- Solub. in water: (20 °C): 3,4 g/l
- Melting point: 121,5 - 123,0 °C
- Boiling point: ~ 249 °C
- Flash point: 121 °C
- Ignition temperature: 532 °C
- Vapour pressure: (20 °C) 1,3 hPa
- pH(10 g/l H₂O) 3

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H315: Causes skin irritation.
 H318: Causes serious eye damage.
 H372: Causes damage to organs through prolonged or repeated exposure.


Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
 P280: Wear protective gloves / protective clothing / eye protection / face protection.
 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.
 P321: Specific treatment (see on this label).
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C