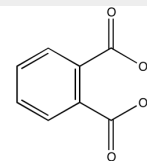


Identification

$C_8H_6O_4$
M = 166,13 g/mol
CAS [88-99-3]
EC number: 201-873-2
Taric code: 2917 39 80



Synonyms

Phthalic acid, Orthophthalic acid, 1,2-Benzenedicarboxylic acid

Applications

analytical chemistry, laboratory reagent, solvents, perfumery.

Specifications

assay (acidimetric).....	min. 99,5 %	sulfates (SO ₄).....	max. 0,0005 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 0,001 %
insoluble in Na ₂ CO ₃ solution.....	max. 0,05 %	iron (Fe).....	max. 0,001 %
chlorides (Cl).....	max. 0,0003 %	residue on ignition.....	max. 0,02 %
nitrates (NO ₃).....	max. 0,0005 %	water (K.F.).....	max. 0,2 %

Physical data

- Appearance: **fine crystalline powder**, white
- Spec. Density: 1,59 g/cm³
- Bulk density: ~ 960 kg/m³
- Solub. in water: (20 °C): 5,74 g/l
- Melting point: 206 - 208 °C
- Flash point: 168 °C
- pH(5 g/l H₂O, 20 °C) ~ 2

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.



Precautionary Statements:

- P261: Avoid breathing 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.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C