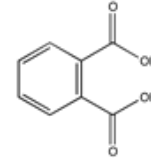


**Identification**

C<sub>8</sub>H<sub>6</sub>O<sub>4</sub>  
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 <sub>4</sub> ).....	max. 0,0005 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 0,001 %
insoluble in Na <sub>2</sub> CO <sub>3</sub> solution.....	max. 0,05 %	iron (Fe).....	max. 0,001 %
chlorides (Cl).....	max. 0,0003 %	residue on ignition.....	max. 0,02 %
nitrates (NO <sub>3</sub> ).....	max. 0,0005 %	water (K.F.).....	max. 0,2 %

**Physical data**

- Appearance: **fine crystalline powder**, white
- Spec. Density: 1,59 g/cm<sup>3</sup>
- Bulk density: ~ 960 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 5,74 g/l
- Melting point: 206 - 208 °C
- Flash point: 168 °C
- pH(5 g/l H<sub>2</sub>O, 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