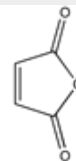


**Identification**

C<sub>4</sub>H<sub>2</sub>O<sub>3</sub>  
M = 98,06 g/mol  
CAS [108-31-6]  
EC number: 203-571-6  
Taric code: 2917 14 00

**Synonyms**

2,5-Furanedione

**Applications**

synthesis of organic products, manufacture of dyes, for pharmaceuticals synthesizing, in food industry, manufacturing of synthetic resins.

**Specifications**

assay (morpholine method)..... min. 99 %

identity (IR-spectrum).....passes test  
residue on ignition..... max. 0,01 %

**Physical data**

- Appearance: flakes, white, up to 0,5cm
- Spec. Density: (55 °C) 1,32 g/cm<sup>3</sup>
- Bulk density: 700 - 800 kg/m<sup>3</sup>
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: 51 - 53 °C
- Boiling point: 200 °C
- Flash point: 103 °C
- Ignition temperature: 475 °C
- Vapour pressure: (40 °C) 1,3 hPa
- Evap. heat: (54,9 °C) 157,2 KJ/mol
- Expl. limit (upper): 7,1 Vol%
- Expl. limit (lower): 1,4 Vol%
- pH < 1

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H314: Causes severe skin burns and eye damage.  
H302: Harmful if swallowed.  
H317: May cause an allergic skin reaction.  
H372: Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

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

**Transport/storage**

- ADR: 8 C4 III • UN 2215 • MALEIC ANHYDRIDE
- IMDG: 8 III • UN 2215 • MALEIC ANHYDRIDE
- IATA/ICAO: 8 III • UN 2215 • MALEIC ANHYDRIDE
- PAX: 822
- CAO: 823
- 10°C - 30°C