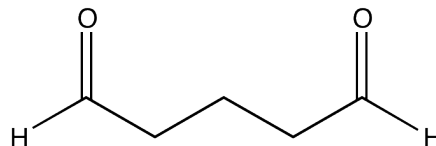


Identification

$C_5H_8O_2$
 M = 100,12 g/mol
 CAS [111-30-8]
 EC number: 203-856-5
 Taric code: 2912 19 00


Synonyms

Pentanedial, Glutaraldehyde, Glutaric dialdehyde

Applications

analytical chemistry, in sterilization of endoscopic instruments, cosmetics.

Specifications

assay (method of bisulfite)..... approx. 50 % density (20°/4°)..... 1,125 - 1,130

Physical data

- Density: 1,13 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -21 °C
- Boiling point: 100,5 °C
- Flash point: > 100 °C
- Ignition temperature: > 225 °C
- Vapour pressure: (20 °C) 0,27 hPa
- pH(100 g/l H₂O, 20 °C) 3 - 4

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
 H331: Toxic if inhaled.
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H314: Causes severe skin burns and eye damage.
 H400: Very toxic to aquatic life.
 H317: May cause an allergic skin reaction.
 H335: May cause respiratory irritation.


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.
 P320: Specific treatment is urgent (see on this label).
 P405: Store locked up.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 TC1 II • UN 2927 • TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.(Glutardialdehyde, solution 50%)
- IMDG: 6.1 II • UN 2927 • TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.(Glutardialdehyde, solution 50%)
- IATA/ICAO: 6.1 II • UN 2927 • TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.(Glutardialdehyde, solution 50%)
- PAX: 609
- CAO: 611
- 10°C - 30°C