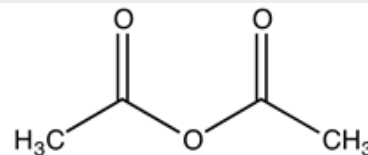


Identification

(CH₃CO)₂O
M = 102,09 g/mol
CAS [108-24-7]
EC number: 203-564-8
Taric code: 2915 24 00


Synonyms

Acetyl oxide

Applications

analytical chemistry, synthesis of organic products, acetylating agent.

Specifications

assay (G.C.).....	min. 98 %	copper (Cu).....	max. 0,001 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 0,001 %
density (20°/4°).....	1,079 - 1,082	iron (Fe).....	max. 0,001 %
chlorides (Cl).....	max. 0,001 %	lead (Pb).....	max. 0,001 %
phosphates (as PO ₄).....	max. 0,001 %	nickel (Ni).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,001 %	residue on evaporation.....	max. 0,005 %

Physical data

- Density: 1,08 g/cm³
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: -73 °C
- Boiling point: 138 - 140,5 °C
- Flash point: 49 °C
- Ignition temperature: 330 °C
- Vapour pressure: (20 °C) 4hPa
- Refraction index: (n 20 °C/D) 1,3903
- Expl. limit (upper): 10,2 %
- Expl. limit (lower): 2 %
- pH(10 g/l H₂O, 20 °C) ~ 3

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H330: Fatal if inhaled.
H335: May cause respiratory irritation.


Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
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.
P320: Specific treatment is urgent (see on this label).
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 CF1 II • UN 1715 • ACETIC ANHYDRIDE
- IMDG: 8 II • UN 1715 • ACETIC ANHYDRIDE
- IATA/ICAO: 8 II • UN 1715 • ACETIC ANHYDRIDE
- PAX: 809
- CAO: 813
- 15°C - 25°C