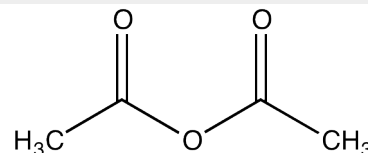


Identification

(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. 99 %	chromium (Cr).....	max. 0,05 ppm
identity (IR-spectrum).....	passes test	cobalt (Co).....	max. 0,02 ppm
density (20°/4°).....	1,079 - 1,082	copper (Cu).....	max. 0,02 ppm
boiling point.....	136 - 142 °C	heavy metals (as Pb).....	max. 2 ppm
colour (Hazen).....	max. 10	iron (Fe).....	max. 0,1 ppm
appearance.....	clear	lead (Pb).....	max. 0,1 ppm
chlorides (Cl).....	max. 0,0002 %	magnesium (Mg).....	max. 0,1 ppm
phosphates (as PO ₄).....	max. 0,0005 %	manganese (Mn).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,0005 %	nickel (Ni).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	tin (Sn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	zinc (Zn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
cadmium (Cd).....	max. 0,05 ppm	substances reducing KMnO ₄	passes test
calcium (Ca).....	max. 0,5 ppm	residue on evaporation.....	max. 0,002 %

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
- 10°C - 30°C