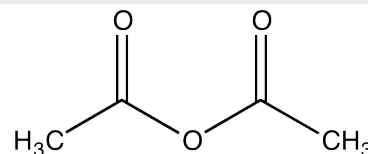


**Identification**

(CH<sub>3</sub>CO)<sub>2</sub>O  
 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 %	cobalt (Co).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,000002 %
density (20°/4°).....	1,079 - 1,082	heavy metals (as Pb).....	max. 0,0002 %
boiling point.....	136 - 142 °C	iron (Fe).....	max. 0,00001 %
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,00001 %
appearance.....	clear	magnesium (Mg).....	max. 0,00001 %
chlorides (Cl).....	max. 0,0002 %	manganese (Mn).....	max. 0,000002 %
phosphates (as PO4).....	max. 0,0005 %	nickel (Ni).....	max. 0,000002 %
sulfates (SO4).....	max. 0,0005 %	tin (Sn).....	max. 0,00001 %
aluminium (Al).....	max. 0,00005 %	zinc (Zn).....	max. 0,00001 %
barium (Ba).....	max. 0,00001 %	substances darkened by H2SO4.....	passes test
boron (B).....	max. 0,000002 %	substances reducing KMnO4.....	passes test
cadmium (Cd).....	max. 0,000005 %	residue on evaporation.....	max. 0,002 %
calcium (Ca).....	max. 0,00005 %		
chromium (Cr).....	max. 0,000005 %		

**Packaging**
**Packaging Code**

1 l  AN01551000  
 2,5 l  AN01552500  
 5 l  AN0155005P

**Physical data**

- Density: 1,08 g/cm<sup>3</sup>
- 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 H<sub>2</sub>O, 20 °C) ~ 3

**Safety - GHS**

**Signal Word:** Danger


**Hazard Statements:**

H314: Causes severe skin burns and eye damage.  
 H226: Flammable liquid and vapour.  
 H302: Harmful if swallowed.  
 H332: Harmful if inhaled.

**Precautionary Statements:**

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 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.  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 1780 mg/kg
- MAK: 5 ml/m<sup>3</sup>, 21 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 3

**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
- Store between 15°C and 25°C