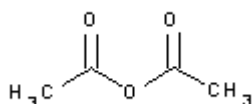
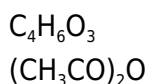


**PRODUCT CODE: 131147****Acetic Anhydride (Reag. Ph. Eur.) for analysis, ACS, ISO**

M.= 102,09

CAS [108-24-7]

EINECS 203-564-8

TARIC 2915 24 00 00

**PHYSICAL DATA:** liquid, Clear, Colourless, Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene D 20/4 1,082 • M.P.: -73 °C • B.P.: 136 - 142 °C • pH(10 g/l sol.)3 • n<sub>20</sub>/D : 1,3903 • Flash P.:54 °C • Ign. T.:389 °C • Vap. press. (20 °C) 5 hPa • Expl. limit2 %(V)10,2 %(V) •

**BIBLIOGRAPHY:** Merck Index **12**, 53 13, 57 Sax **AAX500** • Safety **2**, **18 A** • Römp **8**, **1186** • Kühn-Birett **E** 10 • Ullmann (**5**.)1, 65 • Beilstein **2**, **166 I**, **75 II**, **170 III**, **371 IV**, **94** • BRN 385737 • Fieser **13 27 53 61 71 81 91 111** • ACS **XI** • ISO 6353/3-1987 R - 41, 2 •

**HAZARDOUS:** C.E: 607-008-00-9 • RTECS: AK 1925000 • LD50 oral rat 1.780 mg/kg • LC50 inh rat 1000 ppm / 4h • LD50 skn rbt 4.000 mg/kg • VLA-ED 5 ppm21 mg/m<sup>3</sup>



H: H226 • H332 • H302 • H314 •

P: P210 • P233 • P240 • P241 • P242 • P243 • P260 • P261 • P264 • P270 • P271 • P280 • P301+P312 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P312 • P321 • P330 • P338 • P363 • P370+P378 • P403+P235 • P405 • P501 •

**TRANSPORT REGULATIONS:** UN: 1715 • ADR: 8(3)/II • IMDG: 8(3)/II • IATA: 8(3)/II • PAX: 851 • CAO: 855 • (D/E) •

**WEIGHT/VOLUME INFORMATION:** 1l~1,08 kg      1kg~0,93 l

**OBSERVATIONS:** Product controlled as a drug precursor. •

**SPECIFICATIONS:**

Minimum assay	99%
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**Maximum limit of impurities**

Non-volatile matter	0,003 %
Reducing substance to KMnO <sub>4</sub>	passes test
Chloride (Cl)	0,0005%
Phosphate (PO <sub>4</sub> )	0,001 %
Sulfate (SO <sub>4</sub> )	0,0005%
Heavy metals (as Pb)	0,0002%

**Metals by ICP [in mg/Kg (ppm)]**

Ag	0,1
Al	0,05
As	0,1
Au	0,1
B	0,05
Ba	0,1
Bi	0,05
Ca	5
Cd	0,02
Co	0,02
Cr	0,02
Cu	0,02
Fe	0,1
Ga	0,05
Ge	0,02
Hg	0,1
In	0,05
K	0,1
Li	0,02
Mg	0,1
Mn	0,02
Mo	0,02
Na	0,5
Ni	0,02
Pb	0,1
Pt	0,1
Sb	0,02
Si	0,1
Sn	0,05
Sr	0,05
Ti	0,05
Tl	0,02
V	0,05
Zn	0,1
Zr	0,02