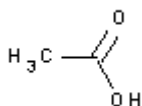
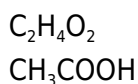


**PRODUCT CODE: 131008****Acetic Acid glacial (Reag. Ph. Eur.) for analysis, ACS, ISO**

M.= 60,05

CAS [64-19-7]

EINECS 200-580-7

TARIC 2915 21 00 10

**PHYSICAL DATA:** liquid, Miscible with water • Hygroscopic • D 20/4 1,05 • M.P.: 16,7 °C • B.P.: 117 - 119 °C • pH(50 g/l)20 °C 2,5 • n<sub>D</sub>20 : 1,3718 • Flash P.: 40 °C • Ign. T.: 485 °C • Vap. press. (20 °C) 15,4 hPa • Viscosity 25 °C 1,14 mPa.s • D. M. 20 °C 1,5 Debye • Dielec. constant 20 °C 6,1 • Evap. number (DIN 53170) 24 • Heat evap. 118 °C 665 kJ/Kg • Satur. conc. 20 °C 38 g/m<sup>3</sup> • Expl. limit 6 % (V) 17 % (V) •

**BIBLIOGRAPHY:** Merck Index **13**, 56 14, 55 Sax **AAT250** • Safety **2**, **13 A** • Römpp **8**, **1185** • Kühn-Birett **E 6** • Beilstein **2**, **96 IV**, **94** • BRN 506007 • Fieser **25 53 71 81** • ACS **XI** • ISO 6353/2- 1983 R - 1, 2 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) •

**HAZARDOUS:** C.E: 607-002-00-6 • RTECS: AF 1225000 • LD50 oral rat 3.310 mg/kg • LC50 rat 40 mg/l / 4h • VLA-EC 15 ppm 37 mg/m<sup>3</sup> VLA-ED 10 ppm 25 mg/m<sup>3</sup> EU ELV, Time weighted average: 10 ppm 25 mg/m<sup>3</sup>

**Derived No Effect Level (DNEL)**

Workers Inhalation, acute (local) 25 mg/m<sup>3</sup> Workers Inhalation, long term (local) 25 mg/m<sup>3</sup> Population Inhalation, acute (local) 25 mg/m<sup>3</sup> Population Inhalation, long term (local) 25 mg/m<sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

Water 3.058 mg/l Soil 0.478 mg/kg bw/24h Sediment 11.36 mg/kg bw/24h Sewage treatment plant 85 mg/l



H: H226 • H314 •

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

**TRANSPORT REGULATIONS:** UN: 2789 • ADR: 8(3)/II • IMDG: 8(3)/II • IATA: 8(3)/II • PAX: 851 • CAO: 855 • (D/E) •

**WEIGHT/VOLUME INFORMATION:** 1l~1,052 kg      1kg~0,951 l

**SPECIFICATIONS:**

Minimum assay (G.C.)	99,7%
Density at 20/20	1,050-1,052
Freezing point	>= 16,0°C

**Maximum limit of impurities**

APHA colour	10
Alkalinity	0,0004 meq/g
Insoluble matter in H2O	passes test
Non-volatile matter	0,001 %
Reducing substance to KMnO4	passes test
Residue on ignition (as SO4)	0,0005 %
Chloride (Cl)	0,00004%
Phosphate (PO4)	0,00004 %
Sulfate (SO4)	0,0001%
Reducing substances to K2Cr2O7	passes test
Nitrate (NO3)	0,0001%
Acetaldehyde (CH3CHO)	0,0002%
Acetic anhydride [(CH3CO)2O] (G.C.)	0,01%
Formate (HCOO)	0,01%
Water (H2O)	0,2 %
Heavy metals (as Pb)	0,00005%

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

Ag	0,01
Al	0,05
As	0,5
Au	0,1
B	0,05
Ba	0,1
Be	0,01
Bi	0,05
Ca	0,5
Cd	0,01
Co	0,01
Cr	0,02
Cu	0,01
Fe	0,1
Ga	0,05
Ge	0,02
Hg	0,1
In	0,05
K	0,1
Li	0,01
Mg	0,1
Mn	0,01
Mo	0,02
Na	0,5

Ni	0,05
Pb	0,5
Pt	0,1
Sb	0,02
Si	0,1
Sn	0,05
Sr	0,05
Ti	0,05
Tl	0,02
V	0,02
Zn	0,05
Zr	0,05

Ed.: 7 . Vig.: 17.01.2011 .

Prod.: 131008