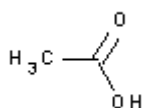
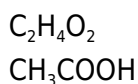


**PRODUCT CODE: 191008****Acetic Acid glacial (USP, BP, Ph. Eur., JP) pharma grade**

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/D : 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** • Römp **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 3.058mg/l Soil 0.478mg/kg bw/24h Sediment 11.36mg/kg bw/24h Sewage treatment plant 85mg/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:**

Assay (Acidim.)	99,5-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
Freezing point	$\geq 15,6^{\circ}\text{C}$
<b>Maximum limit of impurities</b>	
Non-volatile matter	0,005 %
Reducing substances	passes test
Easily oxidable substances	passes test
Chloride (Cl)	0,0025%
Sulfate (SO <sub>4</sub> )	0,005%
Appearance:	
Clear	$\leq$ Reference suspension I or $\leq 3\text{NTU}$
Color	$\leq$ Reference solution B9
Residual solvents (Ph.Eur/USP)	passes test
Fe (Ph. Eur.)	0,0005%
Heavy metals (as Pb)	0,0005%
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm

Ed.: 6 . Vig.: 06.07.2017 .

Prod.: 191008