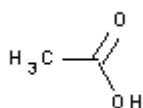


**PRODUCT CODE: 361008****Acetic Acid glacial for HPLC**

$C_2H_4O_2$
 CH_3COOH



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 • n₂₀/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/m³ • 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/m³ VLA-ED 10 ppm 25 mg/m³ EU ELV, Time weighted average: 10 ppm 25 mg/m³

Derived No Effect Level (DNEL)

Workers Inhalation, acute (local) 25 mg/m³ Workers Inhalation, long term (local) 25 mg/m³ Population
 Inhalation, acute (local) 25 mg/m³ Population Inhalation, long term (local) 25 mg/m³

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:

Minimum assay (G.C.)	99,8%
Identity :	
Identity	IR passes test

Maximum limit of impurities

APHA colour	10
Non-volatile matter	0,001 %
Water (H ₂ O)	0,1 %
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 253 (Cut off) nm	³ 10 %
Transmittance at 254 nm	³ 25 %
Transmittance at 280 nm	³ 95 %
Transmittance at 300-450 nm	³ 98 %

Data of interest in HPLC:	
Rohrschneider Polarity	6,0
Sol. H ₂ O in solv. at 20°C	miscible

For critical jobs, purge with nitrogen.

Microfiltered product (0.2 µm) and bottled under nitrogen atmosphere.