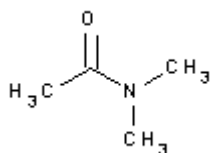


**PRODUCT CODE: 143145****N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade**C₄H₉NO

M.= 87,12

CAS [127-19-5]

EINECS 204-826-4

TARIC 2924 19 00 90

SYNONYMS: Acetic Acid Dimethylamide, DMAC

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • Hygroscopic • D 20/4 0,941 • M.P.: -20 °C • B.P.: 165 °C • n_{20/D} : 1,423 • Flash P.: 70 °C • Vap. press. (20 °C) 3 hPa • D. M. 20 °C 3,8 Debye • Dielec. constant 25 °C 37,8 • Satur. conc. 20 °C 12 g/m³ • Expl. limit 2 % (V) 11,5 % (V) •

BIBLIOGRAPHY: Merck Index **12**, 3.277 13, 3.254 Sax **DOO800** • Safety **2**, **1324 C** • Kühn-Birett **D 83** • Ullmann (**5**).1, 60 • Beilstein **4**, **59 II**, **567 III**, **124 IV**, **180** • BRN 1737614 • Fieser **1270 2144 4165** • BP.**2018** • Ph. Eur. **8.0 9.0** (2017) •

HAZARDOUS: C.E: 616-011-00-4 • RTECS: AB 7700000 • LD₅₀ oral rat 4.930 mg/kg • LC₅₀ inh rat 2475 ppm / 1h • LD₅₀ skn rbt 2.240 mg/kg • LD₅₀ ipr mus 2.800 mg/kg TLV-TWA 10 ppm 36 mg/m³ VLA-EC 20 ppm 72 mg/m³ VLA-ED 10 ppm 36 mg/m³



H: H360D • H332 • H312 •

P: P201 • P202 • P261 • P271 • P281 • P302+P352 • P304+P340 • P308+P313 • P312 • P322 • P363 • P405 • P501 •

WEIGHT/VOLUME INFORMATION: 1l~0,942 kg 1kg~1,062 l**OBSERVATIONS:** Storage away from direct light. •

SPECIFICATIONS:

Minimum assay (G.C.)	99,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
Density at 20/20	0,941-0,944

Maximum limit of impurities

Appearance	passes test
Acidity	passes test

Alkalinity	passes test
Non-volatile matter	0,002 %
Related substances:	
Individual impurity	0,1%
Total impurities	0,3%
Residual solvents (Ph.Eur.)	passes test
Water (H ₂ O)	0,1 %
Heavy metals (as Pb)	0,001%

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.: 12.07.2017 .

Prod.: 143145