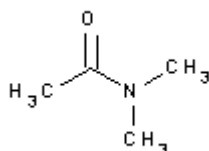


**PRODUCT CODE: 363145****N,N-Dimethylacetamide for UV, IR, HPLC**C₄H₉NO

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 • n₂₀/D : 1,423 • Flash P.:70 °C • Vap. press. (20 °C) 3 hPa • D. M. 20 °C 3,8 Debye • Dielec. constant₂₅ °C 37,8 • Satur. conc. 20 °C 12 g/m³ • Expl. limit₂ %_(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 ppm36 mg/m³ VLA-EC 20 ppm72 mg/m³ VLA-ED 10 ppm36 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.)	99,9%
Maximum limit of impurities	
APHA colour	10
Non-volatile matter	0,0005 %
Water (H ₂ O)	0,03 %
Suitability for IR spectrometry:	passes test
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 270 (Cut off) nm	≥ 10 %
Transmittance at 280 nm	≥ 50 %
Transmittance at 290 nm	≥ 70 %
Transmittance at 310 nm	≥ 89 %
Transmittance at 320 nm	≥ 93 %
Transmittance at 360-450 nm	≥ 98 %
Suitability for HPLC-gradient at 280 nm	150 mA
Suitability for HPLC-gradient at 320 nm	10 mA
Suitability for HPLC-gradient at 360 nm	2,5 mA
Data of interest in HPLC:	
Rohrschneider Polarity	6,5
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.