

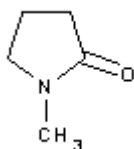


PRODUCT CODE: 753080

1-Methyl-2-Pyrrolidone for Headspace GC

C₅H₉NO

C₅H₉NO



M.= 99,13 CAS [872-50-4] EINECS 212-828-1
TARIC 2933 79 00 90

SYNONYMS: N-Methylpyrrolidone, NMP

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water · Hygroscopic · D 20/4 1,033 · M.P.: -23 C · B.P.: 202 C · pH8,5 - 10,0 · n_{20/D} : 1,4684 · Flash P.:95 C · Ign. T.:269 C · Vap. press. (100 C) 40 hPa · Viscosity 20 C 1,67 mPa.s · D. M. 20 C 4,1 Debye · Dielec. constant25 C 33 · Expl. limit1,3 %(V)9,5 %(V) ·

BIBLIOGRAPHY: Merck Index **13**, 6.140 Sax **MPB750** · Safety **2**, **2433 A** · K?hn-Birett **M 34** · Ullmann **(5.)2**, 182 · Beilstein **21**, **237 II**, **213 III/IV**, **3145 V**, **321** · BRN 106420 · Fieser **1696 2281 9316 11346** · ACS **XI** · BP.**2020** · Ph. Eur. **9.0** (2017) **10.0** (2020) ·

HAZARDOUS:C.E: 606-021-00-7 · RTECS: UY 5790000 · LD50 oral rat 3.914 mg/kg · LC50 rat 5.1mg/l / 4h · LD50 skn rbt 8.000 mg/kg · LD50 ipr mus 3.050 mg/kg VLA-EC 75 ppm309 mg/m3 VLA-ED 25 ppm103 mg/m3



H: H360D · H319 · H335 · H315 · H331 ·

P: P201 · P202 · P261 · P264 · P271 · P280 · P281 · P302+P352 · P304+P340 · P305+P351+P338 · P308+P313 · P312 · P321 · P332+P313 · P337+P313 · P362 · P403+P233 · P405 · P501 ·

WEIGHT/VOLUME INFORMATION: 1l~1,033 kg 1kg~0,968 l

OBSERVATIONS: Storage away from direct light. ·

SPECIFICATIONS:

Minimum assay (G.C.)	99,8 %
Identity :	
Identity	IR passes test
Refractive Index n ₂₀ /D	1,468 - 1,471

Maximum limit of impurities

Suitability for analysis of residual solvents GC/HS :	
Solvents of class 1 according to ICH	0,5 ppm
Solvents of class 2 according to ICH	5 ppm
Solvents of class 3 according to ICH	25 ppm
Water (H ₂ O)	0,1 %

Ed.: 1 . Vig.: 22.02.2019 .

Prod.: 753080