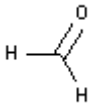
PanReac AppliChem ITW Reagents

PRODUCT CODE: 141328

Formaldehyde 37-38% w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade

CH_2O



M.= 30,03 CAS [50-00-0] EINECS 200-001-8

TARIC 2912 11 00 00

Polymerization < 15°C. The turbidity doesn't affect the product. (Filter).

SYNONYMS: Formaline, Formol

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • Hygroscopic • D 20/4 1,08 • M.P.: 118 °C • B.P.: 96 - 98 °C • pH3 - 4 • n20/D **:** 1,3765 • Flash P.:62 °C • Ign. T.:300 °C • Expl. limit7 %(V)73 %(V) •

BIBLIOGRAPHY: Merck Index **12,** 4.262 13**,** 4.259 Sax **FMV**000 • Safety **2 , 1733 C** • Römp **8 , 1353** • Kühn-Birett **F** 2 • Ullmann **(5.)**11 , 619 • Beilstein **1 , 558 I , 289 II , 615 III ,3539 IV , 3017** • BRN 1209228 • Fieser **1**397 **2**200 **4**312 **5**312 **6**264 **7**158 **8**231 **9**224 **10**186 **11**240 **12**232 **13**136 **14**168 **15**161 • ACS **XI** • ISO 6353-3/1987 R - 63 , 29 • BP**.2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.U. 801 •

HAZARDOUS: C.E: 605-001-00-5 • RTECS: LP 8925000 • LD L0 oral wmn 108 mg/kg • LD50 oral rat 100 mg/kg • LC50 rat 203mg/m3 • LD50 skn rbt 270 mg/kg • VLA-EC (Formaldehyde) 0,37 mg/m3 VLA-EC (Formaldehyde) 0,3 ppm

H: H301 • H311 • H314 • H317 • H331 • H350 • H341 • H335 • H370 •
P: P260 • P301+P310 • P302+P352 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P270 • P271 • P272 • P280 • P281 • P202 • P201 • P301+P330+P331 • P261 • P264 • P501 • P308+P313 • P310 • P311 • P312 • P321 • P322 • P330 • P333+P313 • P338 • P361 • P363 • P403+P233 • P405 •

TRANSPORT REGULATIONS: UN: 2209 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •
WEIGHT/VOLUME INFORMATION: 1l~1,08 kg 1kg~0,93 l
OBSERVATIONS: Storage away from direct light. • Storage between 15 and 25°C •

SPECIFICATIONS:

Assay	37,0-38,0 %
Identity :	
Identity according to Pharmacopoeias:	passes test
Maximum limit of impurities	
APHA colour	10
Appearance of solution	passes test
Acidity	passes test
Acidity free (as HCOOH)	0,03 %
Insoluble matter in H2O	passes test
Residue on ignition (as SO4)	0,05 %
Chloride (Cl)	0,001%
Sulfate (SO4)	0,005%
Residual solvents (Ph.Eur/USP)	passes test
Methanol	9,0-15,0 %
Fe	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