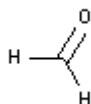




PRODUCT CODE: 141328

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

CH₂O



M.= 30,03

CAS [50-00-0]

EINECS 200-001-8

TARIC 2912 11 00 00

Polymerization < 15°C. Storage > 20°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. limit 7 % (V) 73 % (V) •

BIBLIOGRAPHY: Merck Index **12**, 4.262 13, 4.259 Sax **FMV000** • 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 **1397 2200 4312 5312 6264 7158 8231 9224 10186 11240 12232 13136 14168 15161** • ACS **XI** • ISO 6353-3/1987 R - 63, 29 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • 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 •

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 • P202 • P281 • P501 •

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. •

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 H ₂ O	passes test
Residue on ignition (as SO ₄)	0,05 %
Chloride (Cl)	0,001%
Sulfate (SO ₄)	0,005%
Residual solvents (Ph.Eur/USP)	passes test
Methanol	9,0-15,0 %
Heavy metals (as Pb)	0,0005%
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

Ed.: 9 . Vig.: 14.07.2017 .

Prod.: 141328