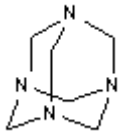
Ed.: 4 . Vig.: 13.02.2017 . Prod.: 131346

PanReac AppliChem ITW Reagents

PRODUCT CODE: 131346

Hexamethylenetetramine (Reag. Ph. Eur.) for analysis, ACS

$C_6H_{12}N_4$
$(CH_2)_6N_4$



M.= 140,19 CAS [100-97-0] EINECS 202-905-8
TARIC 2933 69 40 00

SYNONYMS: 1,3,5,7-Tetraazatricyclo [3.3.1.13,7]Decane, Hexamine, HMTA, Methenamine, Urotropine

PHYSICAL DATA: crystals, White, Soluble in water. Thermal decom. above 290 °C • D 20/4 1,33 • M.P.: 285 - 295 °C • pH8,5 - 9,5 • Flash P.:250 °C •
BIBLIOGRAPHY: Merck Index **12,** 6.036 13**,** 5.994 Sax **HEI**500 • Safety **2 , 1852 B** • Ullmann **(5.)**2 , 17 • Beilstein **1 , 583 I , 306 II , 648 26 ,II , 200 III/IV , 1680** • BRN 2018 • Fieser **1**427 **2**208 **4**243 **9**234 • ACS **XI** • BP**.2018** • USP **41** • Ph. Eur. **8.0** (2014) 2009 • Directive 65/66/E.C.E.96/77/EC • DAB 10 (1999) •

HAZARDOUS: C.E: 612-101-00-2 • RTECS: MN 4725000 •

H: H228 • H317 •
P: P210 • P240 • P241 • P261 • P272 • P280 • P302+P352 • P321 • P333+P313 • P363 • P370+P378 • P501 •

TRANSPORT REGULATIONS: UN: 1328 • ADR: 4.1/III • IMDG: 4.1/III • IATA: 4.1/III • PAX: 446 • CAO: 448 • (E) •

SPECIFICATIONS:

Minimum assay (Acidim.) (a.d.s.)	99,0-100,5%
Identity :	
Identity	IR passes test
pH of 10 % solution	8,0-9,5

Maximum limit of impurities

Insoluble matter in H2O	0,01 %
Loss on drying	2,0%
Residue on ignition (as SO4)	0,05 %
Chloride (Cl)	0,002%
Sulfate (SO4)	0,005%
Heavy metals (as Pb)	0,001%

Metals by ICP [in mg/Kg (ppm)]

Al	5
B	5
Ba	5
Be	5
Ca	5
Cd	5
Co	5
Cr	5
Cu	10
Fe	10
Ge	5
In	5
K	5
Mg	5
Mn	5
Mo	5
Ni	10
Pb	10
Pt	5
Sb	5
Se	5
Si	5
Sn	5
Sr	5
Ti	5
Tl	5
V	5
Zn	5
Zr	5