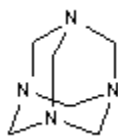


PRODUCT CODE: 131346

Hexamethylenetetramine (Reag. USP, 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 [3.3.1.1^{3,7}]Decane, Hexamine, HMTA, Methenamine, Urotropine

PHYSICAL DATA: crystals, white or colourless, 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 **HEI500** • Safety **2** , **1852 B** • Ullmann (**5.**)² , 17 • Beilstein **1** , **583 I** , **306 II** , **648 26 ,II** , **200 III/IV** , **1680** • BRN 2018 • Fieser **1427 2208 4243 9234** • ACS **XI** • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) • 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
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Maximum limit of impurities

Insoluble matter in H ₂ O	0,01 %
Loss on drying	2,0%
Residue on ignition (as SO ₄)	0,05 %
Chloride (Cl)	0,002%
Ammonium (NH ₄)	0,005%
Sulfate (SO ₄)	0,005%
Heavy Metals (ICP-OES)	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