



**PRODUCT CODE: 132536**

**Imidazole (Reag. USP, Ph. Eur.) for analysis, ACS**

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M.= 68,08

CAS [288-32-4]

EINECS 206-019-2

TARIC 2933 29 90 90

**SYNONYMS:** Glyoxaline

**PHYSICAL DATA:** Small crystalline flakes, White, Soluble in water 663 g/l at 20 °C M.P.: 90 °C • B.P.: 257 °C • pH(5% solution)9,5 - 10,5 • Flash P.:145 °C • Ign. T.:480 °C • Vap. press. (20 °C) 0,003 hPa •

**BIBLIOGRAPHY:** Merck Index **12**, 4.948 13, 4.935 Sax **IAL000** • Safety **2** , **1973 D** • Beilstein **23** , **45 I** , **17 II** , **34 IV** ,**564** • BRN 103853 • Fieser **1492 2220** • ACS **XI** •

**HAZARDOUS:** RTECS: NI 3325000 • LD50 oral rat 970 mg/kg • PNEC Freshwater 0.13mg/l PNEC Marine water 0.013mg/l PNEC Sporadic release 1.3mg/l PNEC Sediment 0,336 ppm PNEC Sediment 0,0336 ppm PNEC Soil 0,0425 ppm PNEC Purifying plant 10mg/l DNEL Workers Inhalation, long term (systemic) 10,6 mg/m3 DNEL Workers Dermal, long exposure (systemic) 1,5 ppm



H: H302 • H314 • H360D •

P: P201 • P202 • P260 • P264 • P270 • P280 • P281 • P301+P312 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P308+P313 • P310 • P330 • P338 • P363 • P405 • P501 •

**TRANSPORT REGULATIONS:** UN: 3263 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 860 • CAO: 864 • (E) •

**SPECIFICATIONS:**

Minimum assay	99,0%
Identity :	
Identity	IR passes test
pH of 5% solution	9,5-10,5
Melting range	88-90°C

**Maximum limit of impurities**

Insoluble matter in H <sub>2</sub> O	0,01 %
Residue on ignition (as SO <sub>4</sub> )	0,05 %
Chloride (Cl)	0,005%
Sulfate (SO <sub>4</sub> )	0,01%
Water (H <sub>2</sub> O)	0,2 %
Ca	0,001 %
Cd	0,0005 %
Co	0,0005 %
Cr	0,0005 %
Cu	0,0005 %
Fe	0,0005 %
K	0,005 %
Mg	0,001 %
Na	0,005 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,0005 %