

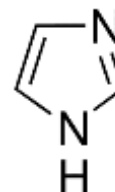


Product Specification

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IMIDAZOLE FOR MOLECULAR BIOLOGY

PRODUCT CODE	948100
SYNONYMS	1,3-Diaza-2,4-cyclopentadiene; Glyoxaline
C.I. NO.	-
CASR NO.	(288-32-4)
ATOMIC OR MOLECULAR FORMULA	C₃H₄N₂
ATOMIC OR MOLECULAR WEIGHT	68.08
PROPERTIES	Freely soluble in water, alcohol, ether, chloroform, pyridine; slightly soluble in benzene.



PARAMETER	LIMIT
Description	White to slightly pale yellow crystalline powder/flakes
Solubility	1 M solution in water is complete and clear.
Mnimum Assay (by GC)	99.5%
pH of (1 M soln in water, at 25°C)	9.5 – 11.0
Melting point	89 – 91°C
Max. UV absorbance(of 0.1 M soln.in HPLC water) at 260 nm	0.1
at 280 nm	0.1

MAXIMUM LIMIT OF IMPURITIES

Water (KF)	0.5%
Residue on ignition (at 900°C)	0.05%
Insoluble matter	Passes filter test
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.005%
Calcium (Ca)	0.001%
Copper (Cu)	0.0005%
Iron (Fe)	0.0001%
Lead (Pb)	0.0005%
DNases, RNases, Proteases, Phosphatases	None detected.

Note(s): Assay (if applicable) method mentioned.

WARNING

HAZARD DANGER Harmful if inhaled. Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. Suspected of damaging the unborn child

PRECAUTIONARY STATEMENTS

Prevention: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. **IF ON SKIN:** Wash with plenty of soap and water. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use

Disposal : The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber

IMDG Code : 8/II
UN No. : 3263
IATA : 8



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Hazard Pictogram(s) :



GHS05



GHS07



GHS08

Replace Date 11-Oct-2024