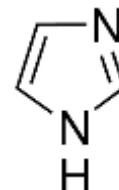


## IMIDAZOLE AR/ACS

<b>PRODUCT CODE</b>	<b>546015</b>
<b>SYNONYMS</b>	<b>1,3-Diaza-2,4-cyclopentadiene; Glyoxaline</b>
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(288-32-4)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>3</sub>H<sub>4</sub>N<sub>2</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>68.08</b>
<b>PROPERTIES</b>	<b>Freely soluble in water, alcohol, ether, chloroform, pyridine; slightly soluble in benzene.</b>



PARAMETER	LIMIT
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Description	White to pale yellow crystalline powder / flakes.
Solubility	1 M solution in water is complete and clear.
Identification (by FTIR)	Conforms
Minimum Assay (by Acidimetric )	99.5%
pH of (1 M soln in water, at 25°C)	9.5 - 11.0
Melting Point	89° - 91°C

### MAXIMUM LIMIT OF IMPURITIES

Residue on ignition	0.1%
Water (by KF)	0.5%
Chloride (Cl)	0.005%
Sulphate (SO <sub>4</sub> )	0.005%
Calcium (Ca)	0.001%
Copper (Cu)	0.0005%
Iron (Fe)	0.0001%
Lead (Pb)	0.0005%

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

#### WARNING

**Hazard statements :** May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May be corrosive to metals

#### Precautionary statements

**Prevention:** Keep only in original container. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Absorb spillage to prevent material damage.

**Disposal:** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large volumes of running water.

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

#### Hazard Pictogram(s) :



GHS05



GHS07



GHS08

Replace Date 11-Oct-2024