



## Product Specification

### FORMAMIDE FOR MOLECULAR BIOLOGY

<b>PRODUCT CODE</b>	<b>937530</b>
<b>SYNONYMS</b>	<b>Methanamide</b>
<b>C.I. NO.</b>	<b>N/A</b>
<b>CASR NO.</b>	<b>75- 12- 7</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>CH<sub>3</sub>NO</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>45.04</b>
<b>PROPERTIES</b>	<b>Hygroscopic, Combustible</b>



PARAMETER	LIMIT
Description	A clear liquid colour not more than 10 Hazen units.
Solubility	Miscible with water & methanol forming clear and colourless sol
Identity(By IR Spectrum)	Passes test.
Minimum assay (By GC)	99.5%
Wt. per ml at 20°C	1.132 – 1.134 g
Freezing point	Not less then 2°C
Refractive index (n) <sub>D</sub> <sup>20</sup>	1.446 – 1.448

#### MAXIMUM LIMIT OF IMPURITIES

Water	0.3%
Non volatile matter	0.05%
Ammonium formate (HCOONH <sub>4</sub> )	0.1%
Formic acid (HCOOH)	0.02%
Copper (Cu)	0.0005%
Heavy metals (as Pb)	0.0005%
Iron (Fe)	0.0005%
UV Abs.(0.5 M/cm,water)	
at 260 nm	0.08
at 270 nm	0.05
at 280 nm	0.03
DNase, RNase, Protease & Phosphatase	None detected.

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

#### DANGER

**HAZARD STATEMENTS :** May be harmful if swallowed. Causes serious eye irritation. May damage fertility. May damage the unborn child.

#### PRECAUTIONARY STATEMENTS :

**Prevention :** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Wash hands thoroughly after handling.

**Response :** If eye irritation persists, get medical advice/attention. If exposed or concerned: Get medical attention advice. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye/face protection.

**Disposal :** Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

Hazard Pictogram(s) :



Skin irritation Aspiration hazard

IMDG Code :  
UN No. :  
IATA :