

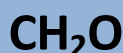


# Product Specification

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## FORMALDEHYDE SOLUTION 37-41% W/V FOR SYNTHESIS

<b>PRODUCT CODE</b>	<b>028421</b>
<b>SYNONYMS</b>	<b>formalin</b>
<b>C.I. NO.</b>	<b>N/A</b>
<b>CASR NO.</b>	<b>(50-00-0)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>CH<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>30.03</b>
<b>PROPERTIES</b>	<b>It is a powerful reducing agent especially in presence of alkali. In the air it slowly oxidizes to formic acid.</b>



<b>PARAMETER</b>	<b>LIMIT</b>
Description	A clear and colourless solution of formaldehyde in water containing methanol as stabilizer.
Solubility	Miscible with water & with absolute industrial methylated spirit forming a clear, colourless solution.
Minimum assay (acidimetric after oxidation)	37 - 41% w/v
Wt. per ml at 20°C	1.075 - 1.095 g
Content of methanol (CH <sub>3</sub> OH)	10.0 - 14.0% (w/w)

### MAXIMUM LIMIT OF IMPURITIES

Acidity	3 ml N/1%
Ash	0.02%
Chloride (Cl)	0.001%

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

### DANGER

**HAZARD STATEMENTS :** Combustible Liquid. Fatal if inhaled. Fatal if swallowed. Toxic in contact with skin. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May be corrosive to metals. Causes severe skin burns and eye damage. Harmful to aquatic life.

### PRECAUTIONARY STATEMENTS :

**Prevention :** Wash hands thoroughly after handling. In case of inadequate ventilation wear respiratory protection. Wear respiratory protection. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Do not breathe dust or mist. Wear protective gloves/clothing Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Obtain special instructions before use. Use explosion-proof electrical/ventilating/lighting/equipment Use only outdoors or in a well ventilated area. Contaminated clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapours/spray. Keep away from flames and hot surfaces.

**Response :** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If

**Disposal:** -----

IMDG Code : 8/III  
UN No. : 2209  
IATA : 8

**Hazard pictogram(s) :**



Acute toxicity    Aspiration hazard    Corrosive to metals

Revised Date 04-10-2016