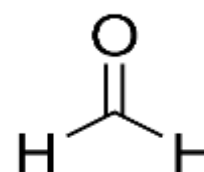


## FORMALDEHYDE SOLUTION 37-41% W/V AR/ACS

PRODUCT CODE	531140
SYNONYMS	formalin
C.I. NO.	N/A
CASR NO.	50-00-0
ATOMIC OR MOLECULAR FORMULA	CH <sub>2</sub> O
ATOMIC OR MOLECULAR WEIGHT	30.03



### PROPERTIES

It is a powerful reducing agent, especially in presence of alkali. In the air it slowly oxidizes to formic acid. Vapour is lachrymatory.

PARAMETER	LIMIT
Description	A clear and colourless solution of formaldehyde in water. Contains methanol as stabilizer.
Solubility	Miscible with water & with absolute industrial methylated spirit forming a clear, colourless solution.
Appearance of solution	Passes test
Identification tests A, B	Passes test
Assay (acidimetric after oxidation)	37.0 - 41.0%
Wt. per ml at 20°C	1.075 - 1.095 g
Methanol content (stabiliser)	11.0-14.0%

### MAXIMUM LIMIT OF IMPURITIES

Acidity (as HCOOH)	0.045%
Residue after ignition (as SO <sub>4</sub> )	0.005%
Chloride (Cl)	0.0005%
Sulphate (SO <sub>4</sub> )	0.001%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.0005%
Silica (SiO <sub>2</sub> )	0.0001%
Residual solvents	Complies

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

### DANGER

**Hazard statements:** Toxic if swallowed. Suspected of damaging fertility. May be corrosive to metals. Causes severe skin burns and eye damage

### Precautionary statements

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Obtain special instructions before use. Wear protective gloves/clothing and eye/face protection. Use personal protective equipment as required. Do not breathe dust or mist. Do not handle until all safety precautions have been read and understood.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Absorb spillage to prevent material damage. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If exposed or concerned: Get medical attention advice. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment: refer to Label or MSDS.

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

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

### Hazard Pictogram(s) :



GHS06



GHS08



GHS05

Replace 06-Dec-2025