



Product Specification

cdhfinechemical.com

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	CH₂O
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 ₄)	0.005%
Chloride (Cl)	0.0005%
Sulphate (SO ₄)	0.001%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.0005%
Silica (SiO ₂)	0.0001%
Residual solvents	Complies

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

<p>DANGER</p> <p>Hazard statements: Toxic if swallowed. Suspected of damaging fertility. May be corrosive to metals. Causes severe skin burns and eye damage</p> <p>Precautionary statements</p> <p>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.</p> <p>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.</p>	<p>IMDG Code :8/III</p> <p>UN No. :3263</p> <p>IATA :8</p>
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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 28-Nov.-2017