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.

CH₂O

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 SO₄) 0.005%
Chloride (Cl) 0.0005%
Sulphate (SO₄) 0.001%
Iron (Fe) 0.0005%
Heavy metals (as Pb) 0.005%
Silica (SiO₂) 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 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.
Disposal: The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s):

Replace 28-Nov.-2017