Technical Data Sheet

Formaldehyde 37%

Product Name: Formaldehyde 37% CH_2O
Molecular Weight: 30.03 g/mol
CAS No.: 50-00-0
EC Number: 200-001-8
TARIC Code: 2912 11 00

Synonyms: Formalin solution, Formol, Methanal solution, Methyl aldehyde solution

Specifications

Parameter	Specification
Assay (Acidimetric)	37.0–41.0%
Identity	Passes Test
Specific Gravity @ 25°C	1.090–1.116
Appearance of Solution	Colourless
Methanol (GC)	7.0 Min
Colour (Hazen)	Max. 10
Iron (Fe)	10 ppm Max
pH (Aqueous Solution) @ 25°C	2.6–3.0
Ash Content, % W/W	0.1% Max.

Applications

- Disinfectant
- Synthesis of organic products
- Embalming liquids
- Analytical chemistry
- Agricultural chemicals

Storage & Handling

37% Formaldehyde has a shelf life of **at least 2 years** when stored away from sunlight and heat. It can irritate the **skin and eyes**, so suitable protective measures such as **hand gloves and eye/face protection** should be used.

If contact occurs, immediately wash the affected body part with **warm water and soap**. Refer to the Material Safety Data Sheet (MSDS) for detailed instructions.

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