



Technical Data Sheet (TDS)

Product: Formaldehyde (SP Grade 2)



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Document Reference: BFPL-IMS-LAB-TDS-2

REGISTERED OFFICE:

302, Devarc Commercial Complex,
Nr.ISKCON Cross Roads, S.G. Road,
Ahmedabad - 380015 Gujarat, India

MANUFACTURING UNITS

- Ahmedabad (Gujarat)
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DOMESTIC MARKETING

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Product Description

Liquid Formaldehyde is a colorless and strong-smelling. Formaldehyde is a simple chemical compound made of hydrogen, oxygen and carbon. All life forms – bacteria, plants, fish, animals and humans – naturally produce formaldehyde as part of cell metabolism.

Formaldehyde is perhaps best known for its preservative and anti-bacterial properties, but formaldehyde-based chemistry is used to make a wide range of value-added products. Formaldehyde is one of the most well-studied and well-understood compounds in commerce.

Specifications

Formaldehyde %	37%±1%
Methanol Content %	1% - 10%
Acidity	≤0.04
Odour	Strong Pungent Odour

Typical Properties

Appearance	Water White
pH	2.8 - 4.0
Specific Gravity	1.070 - 1.135
Iron Content PPM	< 5.0

Shipping

UN/NA Number:	UN2209
Proper Shipping Name	Formaldehyde
Hazard class	8
Packing Group	III
Reportable Quantity (RQ)	500lb / 227 Kgs.
Emergency Resp. Guide	133

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Uses

Formaldehyde is a raw material used in hundreds of everyday products. It is a basic building block chemical essential to the operation of more than 80 industries.

Construction: A major use of formaldehyde is in the manufacture of adhesive resins for plywood, fibreboard and particleboard for residential and commercial construction. Urea-formaldehyde resins are a principal component of foam in-place insulation for homes. Also, many paints and varnishes are based on formaldehyde.

Molding compounds: Molding compounds made using formaldehyde resins appear in buttons, dinnerware, cookware handles, light switch cover plates, PC circuit boards and scores of other products. Foundries require formaldehyde for bonding the molds used to make castings.

Textiles: Formaldehyde resins are an important in imparting permanent press to textiles.

Paper: Formaldehyde resins are used to bond the fibres in paper to make them more absorbent.

Other uses: A rapidly growing, relatively new use is in manufacturing tough, hard polyacetal plastics that help reduce the weight of automobiles to increase mileage. It is also used in the hard, durable personal computer keyboards, printers and CPU enclosures. Other specialty applications include shampoos, hand lotions, toothpastes, disinfectants, embalming fluids, fumigants, leather tanning agents and oil well drilling mud additives.

Handling

Formaldehyde is available in full truck load quantities. Formaldehyde solutions should be used as soon as is practical. Shelf-life may vary from 1 week for high formaldehyde assay solutions to indefinite for solutions with a high methanol content.

The NPFA Hazardous Materials Identification System rating for regular formaldehyde solutions is: Health Hazard - 3; Flammability - 2; Reactivity - 2. Solutions with a methanol content > 10% have a flammability rating of 3.

Formaldehyde is classified either as "DOT not regulated" or "DOT regulated" by the US Department of

Transportation, depending on the amount of formaldehyde and methanol present. The Harmonized Tariff Code is 2912.11.

Formaldehyde is listed on the Chemical Substance Inventory under the US Toxic Substances Control Act, on the Canadian DSL and on the European Inventory of Existing Chemical Substances. The US and Canadian CAS Registry Number is 50-00-0 and the European EINECS Registry Number is 200-001-8.

Please refer to the product Safety Data Sheet for more information.

All information and data, including the formulations and procedures discussed herein, are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your laboratory or plant. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to terms and conditions included in Balaji Formalin Pvt Ltd sales documents. Nothing contained therein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Material Safety Data Sheets. Users of these products are urged to review and use this information.

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