

### DESCRIPTION :

Formaldehyde 37% 37% 37% is a naturally-occurring organic compound with the formula CH<sub>2</sub>O. It is the simplest aldehyde and is also known by its synonyms name formalin or methanal. The common name of this substance comes from its similarity and relation to formic acid.

Formaldehyde 37% 37% 37% is an important precursor to many other materials and chemical compounds. It is mainly used in the production of industrial resins, for the manufacture of particle boards and in the coating industry.

### PRODUCT SPECIFICATIONS

SPECIFICATIONS	LIMIT
Formaldehyde 37%, % w/w, min.	37.00
Methanol, % w/w, max.	< 1.00 *
Acidity (as HCOOH), % w/w max.	0.05
Iron, ppm max.	2.00 **
PH	2.60 – 3.00
* Methanol content may vary as per specific customer's requirement. Hence sp. gr. will also vary accordingly.	

### APPLICATIONS

- Formaldehyde 37% is widely used in the manufacture of amino and phenolic resins, slow release fertilizer and metal homopolymers.
- It is used in the form of anhydrous monomer, solution polymers and derivatives. Due to relatively low cost, high purity and variety of chemical reactions Formaldehyde 37% has become one of the most important industrial and research chemical.
- Formaldehyde 37% is also used for manufacture of urea formaldehyde which is used in wood product for plywood, particle boards, etc. It is used as a chemical ground in foundations, used in water based coatings and as moisture resistance in paper.
- Formaldehyde 37% used with Phenol to make Phenol Formaldehyde 37% resin which is used in wood composite plywood, partial board, fiber board, fiber bonding, laminates, foundry resins, abrasive and friction materials, molding materials, coatings and adhesives. New developments are in the uses of glass reinforced phenolic fibers, phenolic foams and graphite reinforced composite.
- Formaldehyde 37% with Urea forms UF resins which is used as a slow release fertilizer. UF containing 35-38% N are products of condensate of Urea and Formaldehyde 37%. Though only 50% of their nitrogen is available for crops, it does provide slow release non-burning nitrogen.
- Formaldehyde 37% is used with soap as disinfectants. Formaldehyde 37% in hydro-alcoholic solution is used widely to the sterilization of surgical goods.
- Formaldehyde 37% is used as preservative in cosmetic products so as to have effectiveness against wide range of micro organisms.
- Formaldehyde 37% is used as preservative in hair shampoo upto 0.04 wt.%. The shampoo composition in general presents ideal environment for propagation of micro organism and fungal attack. This has a deteriorious effect on physical properties of the shampoo, but more importantly pose a health hazard to the consumer.
- Formaldehyde 37% is used in the manufacture of chelating agents like EDTA.
- It is used for the manufacture of permanent press finished of cellulosic fabrics.
- Formaldehyde 37% with melamine forms melamine formaldehyde resins which finds excellent use in the manufacture of dining table waves like bowls, dishes, spoon etc.

## APPLICATIONS

- Formaldehyde 37% is used in the manufacturing of phenolic resins, artificial silk and cellulose esters, dyes, organic chemicals, glass mirrors, explosives; disinfectant for dwellings, ship, storage houses, utensils, clothes etc., as a germicide & fungicide for plants & vegetables, improving fastness of dyes on fabrics, tanning & preserving hides, water proofing of fabrics, preserving & coagulating rubber latex, and as embalming fluids.
- Formaldehyde 37% is used in the manufacture of explosives, photographic materials, antiseptic and fumigants, in treatment of pulp & papers, in cosmetics, fertilizers & fuels, in treatment of fur & hair, mouth wash, germicidal soap, lavender water & cologne, in sterilization of surgical instruments and as food preservative.

## PACKING

- 50,100 and 200 ltrs. Barrels

## SHELF LIFE & STORAGE

Formaldehyde 37 % has a shelf life of 12 months from date of manufacture when kept at a temperature between 5°C to 45°C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

## QUALITY ASSURANCE

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

## HEALTH & SAFETY

Formaldehyde 37 % is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.