



## Maleic anhydride

Maleic anhydride is an organic compound with the chemical formula  $C_4H_2O_3$ . It is an important industrial chemical that is primarily used in the production of various resins, polymers, and other chemical compounds. Maleic anhydride is a white solid at room temperature and is known for its reactivity and versatility.

## Application

One of the significant applications of maleic anhydride is in the production of unsaturated polyester resins, which are widely used in the manufacture of fiberglass-reinforced plastics, automotive parts, and construction materials. It is also used in the production of various copolymers, agricultural chemicals, and pharmaceuticals. Additionally, maleic anhydride can undergo reactions to form derivatives such as maleic acid and fumaric acid.

Its ability to undergo addition reactions with a variety of compounds makes maleic anhydride a valuable building block in organic synthesis and industrial processes.