

# MALIEC ANHYDRIDE



CAS Number: 108-31-6

Other Names: Furan-2,5-dione; Maleic acid anhydride;  
Toxic anhydride; cis-Butenedioic anhydride

Formula:  $C_4H_2O_3$

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## PRODUCT INTRODUCTION

Maleic anhydride is an organic compound with the formula  $C_4H_2O_3$ . Maleic anhydride is a cyclic dicarboxylic anhydride. It is a colorless or white solid with an acrid odor. Maleic anhydride is produced by oxidation of benzene or a C<sub>4</sub> hydrocarbon such as butane in the presence of a vanadium oxide catalyst.

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Briquettes
Purity	99.96 wt%
Molten Color	10 APHA
Molten Color After Heating	14 APHA
Solidification Point	52.6 °C
Ash Content	4.99 ppm
Iron Content	0.47 ppm

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## APPLICATIONS

- Maleic anhydride is a highly reactive chemical intermediate with present and potential uses in practically every field of industrial chemistry.
- Maleic anhydride is essential to the production of a multitude of resins and plastics, agricultural and industrial chemicals, petroleum additives, paper sizing, water treatment chemicals, epoxy curing agents, artificial sweeteners, flavor enhancers, hair sprays, pharmaceuticals and copolymers.
- Its biggest single use is in the manufacture of unsaturated polyester resins.
- Another market for maleic anhydride is lubricating oil additives, which are used in gasoline and diesel engine crankcase oils as dispersants and corrosion inhibitors.

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## PACKAGING OPTIONS

Drums

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