

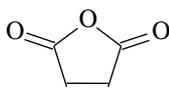
Formula : C<sub>4</sub>H<sub>2</sub>O<sub>3</sub>

Molecular Weight : 98.1

CAS Registry Number : 108-31-6

Abbreviation : MA(Maleic anhydride)

Molecular Structure :



Properties:

Property	Unit	Value	Test method
Appearance (Molten)	-	Clear liquid	Visual
Appearance (Pastille)	-	White pastille	Visual
Molten color	APHA	20 max	ASTM D3366
Heat stability color	APHA	40 max	ASTM D3366
Solidification point	°C	52.4 min	ASTM D1493
MA content	%	99.7	by gas chromatography

Description:

Maleic Anhydride is the anhydride of maleic acid(cis-butenedioic acid). It is soluble in acetone, hydrolyzing in water. It is a colourless or white solid with an acrid odour. Maleic Anhydride is used in the manufacture of unsaturated polyester resins, adhesives, paints and lacquers.

Storage

MA should be stored in a cool, dry, and well-ventilated area away from heat, sunlight, and ignition source. MA should be stored in container provided with fire resistance materials. MA is kept away from strong oxidizers, strong acids, strong bases, ammonia, amines and rubber. Keep containers tightly closed and labeled. Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

### **Safety and Handling**

The Hanwha Solutions Corporation provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, use and transportation. Hanwha Solutions Corporation strongly encourage its customers to review MSDS on its products and other materials prior to their use. MA is normally supplied as a pastille in 20kg PE bag or 500kg Flacon bag. MA is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury, and chromium compounds. And Hanwha Solutions Corporation guarantee that MA do not include any hazardous or regulated materials during the manufacturing process.

### **Other information**

Further information and recommendations for processing can be obtained from our technical support staff and representatives. The data and recommendations contained in this brochure represent the current state of our knowledge and serve as a guide only to our products and their potential applications. Therefore, no warranty of specific properties of the products mentioned herein or of their suitability or fitness for a particular purpose is implied. The information given in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control.