

TECHNICAL BROCHURE
N° 590200

CHEMICALS

SPECIALTIES

MELTED MALEIC ANHYDRIDE

Maleic anhydride is a pure product, solid to room temperature, obtained from a mixture of air and an overheated n-butane stream in a tubular reactor containing a metallic oxide catalyst, which produces the oxidation of n-butane to maleic anhydride, that is then purified by distillation.

It must be handled properly during the download, so as not to alter it.
 Storage time (suggested): 6 months

APPLICATIONS

Chemical, textile, food and cosmetic industries use maleic anhydride. It is widely used in fibreglass-reinforced plastics (to build boat hulls, swimming pools, marine accessories, cabins); maleic resins (for lacquers, paints, printing inks) ; modified alkyd resins, and others such as fumaric, polyamide and colophony resins.

It is also utilised in lubricant oil additives, plasticizers, agricultural products, surfactants, copolymers, etc.

SPECIFICATIONS

| Analysis | Min. | Max. | Method |
|---|---|-------------|---------------|
| Colour at liquid state (APHA) | | 20 | ASTM D3366 |
| Solidification point (°C) | 52.5 | | INS_-0009416 |
| Purity (wt %) | 99.5 | | INS_-0008675 |
| Ash content (wt %) | | 0.01 | ASTM D482 |
| Iron (mg/kg) | | 2 | UOP 407 |
| Thermal stability (2 hs at 140 °C) (APHA) | | 60 | ASTM D3366 |
| Maleic acid content (wt %) | | 0.5 | INS_-0008176 |
| Appearance (liquid state) | Clear liquid, free from sediments | | Visual |

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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