

Product Data Sheet

Maleic Anhydride - Industrial Grade

Description

Description	Maleic Anhydride is a white, fused solid organic acid anhydride produced via catalytic oxidation of benzene or n-butane. It is the key raw material for unsaturated polyester resin (UPR) production, and is used across agricultural chemicals, fumaric acid manufacturing, lubricant additives and maleic-anhydride-grafted polymer production.
Applications	Unsaturated polyester resin (UPR) manufacturing Fumaric acid and agricultural chemical production Lubricant additive synthesis Maleic-anhydride-grafted polymer (compatibiliser) production
Grade	Industrial Grade, Min. 99.5% Assay
CAS No.	108-31-6

Key Benefits

1. High purity supporting consistent, high-yield resin and chemical synthesis
2. Low free-acid content for reliable, predictable reaction performance
3. Widely available, actively traded commodity with established global pricing benchmarks
4. Versatile feedstock across resin, agrochemical and polymer-modification applications

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Assay (Maleic Anhydride)	Titration Method	wt%	Min. 99.5
Melting Point	Standard Melting Point Method	°C	52 – 54
Colour (Molten, APHA)	Visual/Colorimetric Method	–	Max. 30
Free Acid (as Maleic Acid)	Titration Method	wt%	Max. 0.1
Appearance	Visual	–	White fused solid/flakes

Packaging

Packaging 25 kg Moisture-Proof Bags (flakes) or Heated Bulk Tanker (molten)
200 kg (Net) Drums (flakes)
Custom packaging available on request – subject to Dangerous Goods packaging requirements (see MSDS)

Storage & Handling

1. Store in a cool, dry, well-ventilated area, physically segregated from incompatible materials
2. Keep containers tightly sealed – product is hygroscopic and reacts with moisture to form maleic acid
3. Handle strictly per Dangerous Goods and corrosive-material requirements – see accompanying MSDS before storage/handling decisions are finalised
4. Keep away from strong oxidising agents, strong bases and reducing agents

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting assay, melting point and colour against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.