

Description: Chemical Formula - C₄H₂O₃

Maleic Anhydride is an important organic acid anhydride. It is used in the manufacture of wide range of products like Unsaturated Polyester Resins, Alkyd Resins, Paper Sizing Chemicals, Insecticides and Fine Chemicals.

Specification

Characteristics	Guaranteed		Typical
	Min.	99.80	
Purity, Wt.% (Gas chromatography)	Min.	99.80	99.85
Solidification Point, Deg. C	Min.	52.5	52.5
Melt Colour, APHA	Max.	20	15
Heat Stability, APHA	Max.	40	30
Ash, ppm	Max.	5	3
Free Acidity, Wt.%	Max.	0.30	0.13
Iron, ppm	Max.	3	< 3

Appearance -The product is in the form of 'Pillow Shaped' Briquettes. The size of each briquette is approximately 30mm x 24mm x 14mm

Packaging

HDPE Laminated Bag - 25 Kg

Full Container Load (FCL)

1. Molten: 20 - 24 MT / ISO Tank

2. Briquettes:

Palletised and Stretch Wrapped

40 x 25 Kg Bags / Pallet =1.0 MT

44 x 25 Kg Bags / Pallet =1.1 MT

A) 1.0 MT x 20 Pallets = 20 MT / FCL

B) 1.0 MT x 10 Pallets and
1.1 MT x 10 Pallets = 21 MT / FCL

**For further details please contact
Thirumalai Chemicals Limited**

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Health Hazard

Maleic Anhydride is hazardous. Its dust irritates eyes, nasal passages and skin. While handling this material it is recommended to wear Safety Goggles, Respirator and Rubber Gloves.

Fire And Explosion Hazard

Maleic Anhydride whether molten or solid is an inflammable material. Its dust and vapours can form explosive mixture when in contact with air. It is essential to store and handle the material in a well-ventilated area away from any source of ignition.

Storage

Maleic Anhydride should be stored in cool, properly covered, dry area away from direct sunlight. It should not be exposed to rain / humidity as this leads to formation of Maleic Acid, which is insoluble in Xylene and lowers the Melting Point.

Typical Reactions, Products and Applications

Maleic Anhydride		Products		Applications
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Glycol, Saturated Acids, Monomers	Π	Unsaturated Polyester Resins	Π	Reinforced Plastics, Paints, Coatings, Button, Putty
Polyalcohols, Fatty - Acids, Modifying Agents, Phthalic Anhydride	Π	Alkyd Resins	Π	Varnishes, Paints, Inks
Alcohols	Π	Esters	Π	Internal Plasticizers Polyester Resins Alkyd Resins
1-3, Butadiene	Π	Tetra Hydro Phthalic-Anhydride	Π	Epoxy Resins, Polyester Resins, Alkyd Resins
Cyclopentadiene	Π	Endomethylene, Tetra-Hydro Phthalic Anhydride	Π	Alkyd Resins
Rosin	Π	Rosin Adducts	Π	Paper Sizing Agents
Furan	Π	Endoxotetra-Hydro-Phthalic Anhydride	Π	Insecticides