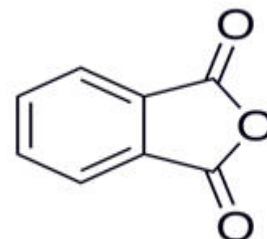


Phthalic anhydride

CAS №: 85-44-9, **EC:** 201-607-5

Chemical formula: C₈H₄O₃

Appearance: White flakes or powder.



Application: Phthalic anhydride (isobenzofuran -1,3-dione, benzene dicarbonic acid anhydride, ortho-phthalic acid anhydride) is a monomer used for manufacturing of self-extinguishing resins. This product is used for the production of plasticizers (dialkyl phthalates), and as a starting reagent (combined with ethylene glycol and glycerol) for the synthesis of polyester and alkyd resins. In addition, based on the phthalic anhydride, different paints, drugs, insecticides, lubrication oil additives, and aviation fuel additives are produced. The material is also used as a cure retarder for rubbers and tires.

Technical data:

Parameter name	Value
Phthalic anhydride mass fraction, %, min.	99.9
Chill point, C°, min.	130.9
Phthalic acid	Absent
Maleic anhydride mass fraction, %, max.	0.05
Ash mass fraction, %, max.	0.002
Melt product color, Hazen units, max., after discharge	15
Melt product color after heating at 250 C° during 90 minutes, Hazen units, max.	
After discharge	
During warranty period	40
During melt warranty period	60
	Not standardized
Iron mass fraction, %, max.	0.0002
Ash mass fraction, %, max.	0.002

Packages: 25 kg bags, 1000 kg big-bags