



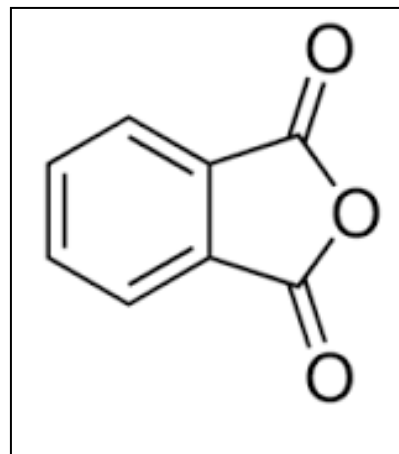
## Product Data Sheet

### PHTHALIC ANHYDRIDE FLAKES

CAS No:	85-44-9
Molecular Formula	C <sub>8</sub> H <sub>4</sub> O <sub>3</sub>

#### **Specific Properties:**

Item	Specification
Ignition temperature , ° C	152
Flammability	inflammable



#### **Technical Quality Conditions:**

Characteristics	Values	Test methods
Appearance	White flakes	Visual
Phthalic anhydride content, min. %	99.7	ILL-003/1-04-14
Maleic anhydride content, max %	0.05	ILL-003/1-04-14
Molten color (Hazen), max. Hazen units	20	ASTM D 3366
Color stability at heating (90 minutes at 250°C), max Hazen units	60	ASTM D 3366
Melting point, ° C	130.9	ILL-003/1-04-10
Calcination residue, max. %	0.01	STAS 8358

#### **General Description:**

Phthalic anhydride, the anhydride form of phthalic acid, is produced by the oxidation of orthoxylene and naphthalene. At room temperature it forms white crystals like flakes. In contact with water it results phthalic acid.

Phthalic anhydride is used to make simple esters widely used as plasticizers

#### **Applications:**

- Plasticizers
- Unsaturated polyester resins
- Alkyd resins
- Polyester polyols
- Dyes and pigments
- Halogenated anhydrides
- Pharmaceutical industry