

## Technical data sheet

# Succinic anhydride (SA)

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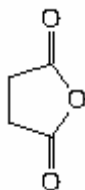
### Synonyms

Butanedioic anhydride; Dihydro-2,5-furandione; Succinic acid anhydride; Succinyl anhydride.

### Formula

$C_4H_4O_3$

### Structural formula



**Molecular weight:** 100,1

### CAS number

108-30-5

### EINECS number

203-570-0

### Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		White flakes	L000	
Purity	%	99.5 min	L001	
Solidification point	°C	118 min	GM013	ASTM D-1493
Colour in molten state	Hz	100 max	GM011	ASTM D-3366
Maleic anhydride content	%	0.5 max	G008	ISO 1389/IX

\* Internal methods available upon request.

## Typical properties

Characteristics	Unit	Value
Melting point	°C	119.6
Boiling point	°C	261
Density @ 130°C	g/ml	1.237

## Main applications

Succinic anhydride is used in the manufacture of polymeric materials (adhesives, alkyd resins, cross-linking agents and specialty elastomers), pharmaceuticals and agricultural chemicals and as a chemical intermediate in the manufacture of dyestuffs, photographic chemicals, surface active agents, lubricant additives.

## Handling

Packaging: Polyethylene bag 25 kg  
big bag 500 kg.

Storage: it must be stored away from open flames or other potential ignition source, and should be protected from light and moisture.

Shelf life: 12 months from production date.

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