

Anthraquinone

Product Datasheet

Anthraquinones are structurally related to anthracene. Anthraquinone is a yellow, light grey to grey-green solid crystalline powder, which is poorly soluble in water but soluble in hot organic solvents. Anthraquinone is also called as 9,10-anthraquinone, the most important quinone derivative of anthracene and the parent substance of a large class of dyes and pigments. It is prepared commercially by oxidation of anthracene. It is basically an aromatic organic compound. Anthraquinones are composed of two aromatic rings joined by two carbonyl groups to form a planar aromatic structure.

APPLICATIONS

- ◆ Anthraquinones are used in textile industry. 9,10 – Anthraquinone is used as bird repellent on seeds and as gas generator in satellite balloons.
- ◆ Anthraquinone is an important and widely used raw material for the manufacture of vat dyes.

PERFORMANCE

- ◆ Anthraquinone derivative is used as colorants, is also used for medical applications, for example as laxatives, anticancer, anti-inflammatory, diuretic, antiarthritic, antifungal, antibacterial, antimalarial, antimicrobial, and anti-inflammatory agents.
- ◆ Anthraquinone is also used as a catalyst in production of wood pulp in pulp and paper industry.

TYPICAL QUALITY PROPERTIES

Property	Unit	Typical value
Appearance	-	Yellow, light grey to grey-green solid crystalline powder
Purity	%	≥ 99.0
Initial Melting Point	°C	≥ 284.2
Ash Content	%	≤ 0.2
Drying reduction	%	≤ 0.2
Impurity	-	Absence of Phthalic anhydride
Flash point	°C	185
Moisture content	%	0.5 max

PACKAGING

Packing Type	Quantity
Bulk bags	1000 Kg per bag

PRODUCT FORM AND SAFETY DATA

- ◆ In case of contact with the eyes, rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
- ◆ In case of skin contact, wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
- ◆ In case of ingestion, clean your mouth with water and drink plenty of water afterwards. Get medical help if symptoms persist.

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TECHNICAL AND SALES CONTACT

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