

## ADIPIC ACID

Product Data Sheet



### Chemical Identity

**Name:** Adipic acid

**Brand names:** Huafon - Adipic acid

**Chemical name (IUPAC):** Hexanedioic acid

**Synonyms:** 1,6-Hexanedioic acid; Hexane-1,6-dioic acid

**CAS number(s):** 124-04-9

**EC number:** 204-673-3

**Molecular formula:** C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>

### Uses and applications

Adipic acid is a key raw material being used in a broad range of applications including plastics, polyester, polyurethane, and textiles industry. It is used also as an intermediate for the synthesis of for plasticizers, lubricant additives, coatings, and specialty additive applications.

### Handling and storage

**Handling notices:** Operators should be professionally trained and strictly follow the handling discipline. Dust-preventing mask, goggles, and gloves should be armed during transfer, down packaging, and feeding. Relevant firefighting and leakage emergency tools should be in place.

**Storage notices:** Adipic acid may conglomerate upon storage. The parameters that can affect conglomeration formation include the time of storage, humidity, temperature, and particle size. Adipic acid should be stored in shady, cool, and dry place.

Adipic acid is a combustible substance. Down packaging in open space may cause an explosive dust-air mixture. Keep distance from fire, electric, smoke, oxidant, reductant, and alkali.

Please refer to the material safety data sheet for more EHS concerns.

## Physical Property

Property	Unit	Method	Typical data
Appearance			Odorless,white,crystalline solid
Purity	%	SH/T 1499.2-1997	99.8 min
Melting point	°C	GB/T 617-2006	152 min
APHA color		SH/T 1499.9-1997	3.0 max
Moisture content	%	GB/T 6283-2008	0.20 max
Ash content	PPM	SH/T 1499.4-1997	4.00 max
Iron content	PPM	SH/T 1499.5-1997	0.20 max
Nitric acid content	PPM	SH/T 1499.7-1997	1.00 max

## Packaging information

Net weight	1000kg	Net weight	500kg
Length	106cm	Length	106cm
Width	106cm	Width	106cm
Height	108cm	Height	60cm
Full Container Load	20 Bags/FCL	Full Container Load	40 or 30Bags/FCL



## Contact information

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