

KETJENFLEX® CP

p-Toluene sulfonic acid catalyst

Ref. AXC0008_Rev.02

General Information

KETJENFLEX® CP is para toluene sulfonic acid, used as a catalyst in many chemical processes.

Description and Application

KETJENFLEX® CP is a strong catalyst with a high protonating capacity. KETJENFLEX® CP is used as catalyst in the following processes:

- Catalyst in epoxy-amine systems
- Acid cured wood coatings
- Fatty acid esterification
- Curing melamine formaldehyde resins
- Aldol and enol reactions
- Nitrosations of alkenes
- Synthesis of azo dyes
- Synthesis of various other dyes and pigments

KETJENFLEX® CP is used as a pH regulator in electroplating processes. KETJENFLEX® CP (in combination with nitric acids) can be used for what is called the 'bright dip' giving a shiny surface to copper, silver, gold, chrome and nickel electroplated metal.

Specifications

Active content:	≥ 98.0%
Free acid	≤ 0.5%
Water content:	≤ 2.0 %
Iron content	≤ 10 ppm

Physical Properties

Appearance:	White crystalline powder
Melting point:	approx. 106°C
Solubility in water:	approx. 700 g/l
Bulk density:	1200 kg/m ³

Toxicological information

Acute toxicity (oral):	LD50 rat ≥ 1410 mg/kg
Genotoxicity (Amestest):	not mutagenic
Biodegradation:	inherently biodegradable

KETJENFLEX® CP is approved by the U.S. Food and Drug Administration (FDA) according to CFR 21, section:

- 175.105

Packaging

- 25 kg in polypropylene bags, 30 on a pallet

Storage

Keep packaging well closed. Store in a cool dry place.

Further Information

For transport, handling and first aid instructions please refer to the Safety Data Sheet, which is available on request.

For samples, technical service and further information please contact us:

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