

KETJENFLEX® 2

Internal Plasticizer

AXC.67.01

General Information

KETJENFLEX® 2 is a toluene sulfonamide based reactive plasticizer used in Melamine moulding compounds and a brightener in metal plating formulas.

Description and Application

KETJENFLEX® 2 is a basic starting material in the preparation of melamine formaldehyde moulding compounds. Reacted into the resin backbone KETJENFLEX® 2 imparts long term impact resistance and toughness.

KETJENFLEX® 2 can also be used in other thermoset resins like epoxy and polyurethane based polymers resins.

Applications that use KETJENFLEX® 2 are:

- Internal plasticizer in melamine moulding compounds
- Internal plasticizer in thermosetting resins
- Plasticizer in thermoplastics
- Brightener in metal plating formulations

Specifications

Active content:	≥ 99.5%
Water content:	≤ 0.5%
Crystallisation point:	≥ 153.0°C
Colour *):	≤ 100 Pt/Co
p-toluenesulfonamide:	≤ 1.0%

*) 33 % solution in acetone

Physical Properties

Appearance:	white crystalline powder
Flash point (dosed cup):	178°C
Solubility in water:	1.6 g/l (25°C)

Toxicological information

Acute toxicity (oral):	LD50 rat > 2920 mg/kg
Genotoxicity (Amestest):	not mutagenic
Biodegradation:	slowly biodegradable

KETJENFLEX® 2 is approved by the U.S. Food and Drug Administration (FDA) according to CFR 21, sections:

- 175.105

Packaging

- 25 kg in 3 ply paper bags, 35 on a pallet

Storage

Store in a cool dry place.

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