

Ketjenflex® 12

Plasticizer Additive

Axcentive SARL

Message:

KETJENFLEX® 12 is a citrate based plasticizer used in Plastics, Inks, Adhesives and Coatings.

Description and Application

KETJENFLEX® 12 is a partially bio-based plasticizer with a very good toxicological profile. With a TDI (total daily intake) of 1.0 mg/kg body weight it is much safer than commonly used plasticizers such as dioctyl phthalates or diethyl hexyl adipates.

KETJENFLEX® 12 is generally used as safe phthalate replacement in many vinyl formulations like PVC plastics, vinyl flooring, solution vinyl resins, wood vinyl compounds and PVC based plastisols as for example used in coil coatings. Other main areas of use for KETJENFLEX® 12 are as a phlegmatizing agent for nitrocellulose resins and as plasticizer in coatings and inks based on cellulose resins.

In addition, KETJENFLEX® 12 is used as plasticizer in specific medical adhesives and drug release coating formulations.

Plasticizer applications of KETJENFLEX® 12:

PVC based polymers

Various vinyl based formulations

PVC plastisols

Nitrocellulose resins

Cellulose acetate and butyrate polymers

Acrylic based pharmaceutical polymers

Cyanoacrylate based (medical) adhesives

General Information		
Additives Physical	Nominal Value	Unit
Density	1.05	g/cm ³
Additive Concentration	> 99	%
State at Room Temperature	Liquid	
Boiling Temperature	327	°C

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