

Technical data sheet

Acetyl-tri-2-ethylhexyl-citrate (ATOC)

Version: February 2009

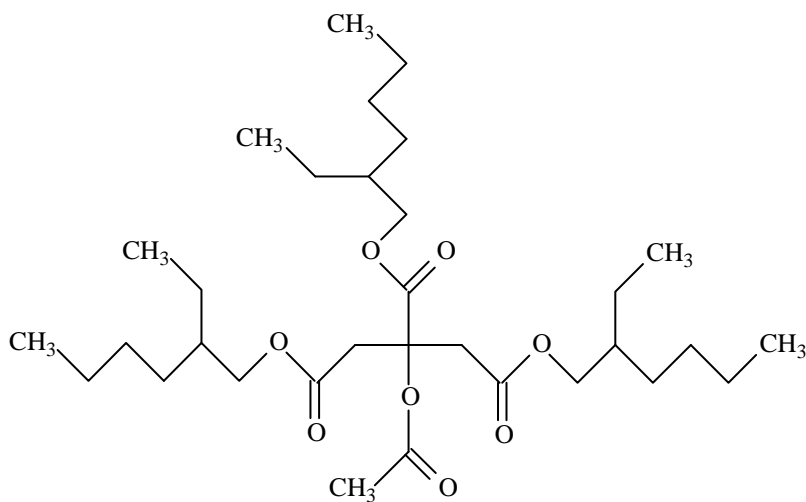
Synonyms

Acetyl-tri-2-ethylhexyl-citrate

Formula

$C_{32}H_{58}O_8$

Structural formula



Molecular weight: 570.81

CAS number

144-15-0

EINECS number

205-617-0



Polynt SpA – Headquarter
Via Enrico Fermi, 51
I-24020 Scanzorosciate (Bg) Italy
Tel. +39 035 652770
Fax +39 035 652814

Polynt SpA
Via Abate Bertone, 10
13881 Cavaglià (BI) Italy
Tel. +39 01 61996611
Fax. +39 01 61996623

Polynt UK Ltd
Station Road - Cheddleton Nr Leek
Staffordshire ST13 7EF UK
Tel. + 44 1538 369000
Fax. + 44 1538 361330

Product specification

Characteristics	Unit	Value	Method*
Appearance		Clear Liquid, free from suspended matter	Visual
Colour	APHA/Hazen	<= 80	AM 018
Odour		Characteristic	AM 074
Neutralization nr. Acid	Mg KOH/g	<= 0.25	AM 006
Water content	%	<= 0.25	AM 023
Saponification value		371-410	AM 001

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
Boiling point @ 760 mmHg	°C	437
Density @ 20 °C	g/ml	0.985
Melting Point	°C	-55
Flash point (closed cup)	°C	>200

Main applications

Main applications for ATOC are:

- ATOC is a versatile citric acid ester which is especially desirable in products for sensitive applications;
- ATOC is used in manufacture of specialty inks for textile printing;
- ATOC provides excellent heat stability to resins, avoiding discolouration during sealing operations.

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Handling

<u>Packaging:</u>	Steel drums 200 kg net. Bulk
<u>Storage:</u>	The packaged material shall be kept into its original packaging, in cool and well ventilated place, neither under rain nor in wet places, away from flames and heating sources. The bulk material shall be stored in stainless steel tanks, under nitrogen blanketing; for a long lasting quality the material shall be kept at ambient temperature (ideally not above 30°C) and away from any flame or concentrated heat source
<u>Shelf life:</u>	1 year from production date.

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