

Technical data sheet

Glycerol Triacetate (GTA)

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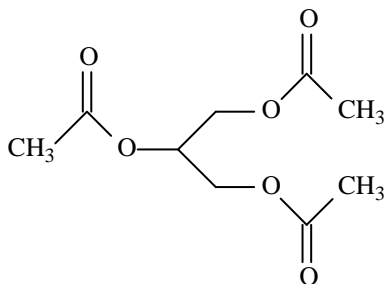
Synonyms

Glycerol triacetate, Triacetin

Formula

$C_9H_{14}O_6$

Structural formula



Molecular weight: 218.21

CAS number: 102-76-1

EINECS number: 203-051-9

Product specification

Characteristics	Unit	Value	Method*
Appearance		Clear Liquid, free from suspended matter	Visual
Colour	APHA/Hazen	<= 50	AM 018
Odour		Very mild	AM 074
Acidity as acetic acid	%	<= 0.05	AM 006
Water content	%	<= 0.15	AM 023
Ester content	%	>= 97.0	AM 999

* Internal methods available upon request.



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Typical properties

Characteristics	Unit	Value
Boiling point @ 760 mmHg	°C	260
Density @ 20° C	g/ml	1.158
Melting Point	°C	3,2 (Supercools to about -78°C)
Flash point (closed cup)	°C	138

Main applications

Main applications for GTA are:

- Triacetin is a colourless, oily liquid, odourless, immiscible in water. Triacetin finds application in many industries, including pharmaceutical, cosmetic, food, cigarette, textile, and foundry, as a solvent and plasticizer agent;
- Triacetin manufactured by Polynt Group is available in three main grades, depending on the final application: technical grade, filter grade, and pharma grade. Kosher and Halal approved lots are available regularly.

Handling

Packaging: Steel drums 240 kg net.
IBC 1200 kg net
Bulk

Storage: 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

Shelf life: 3 years from production date.

Certifications: Kosher: Italy, UK
Halal: UK

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