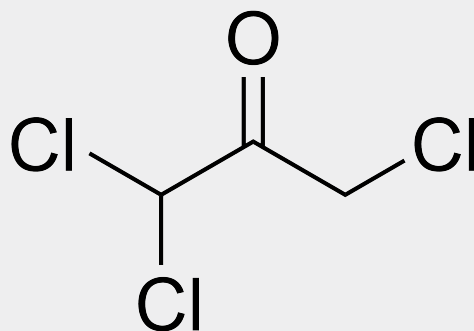


1,1,3 Trichloroacetone (1,1,3-TCA)

Chlorinated Intermediates

Colourless to reddish, lachrymatory liquid with a pungent odour.

CAS No. 921-03-9 | Empirical formula $C_3H_3Cl_3O$ | Molecular weight 161.4



Properties

- Content min. 86.5%
- One of the largest producers worldwide
- Efficient utilization of side streams
- Scale > 500 MT
- Lead time: campaign production, usually ton quantities in stock
- Storage stability of at least 12 months
- REACH: SCC (handling as intermediate under strictly controlled conditions)

Technical data

Specification

Property	Condition	Value	Method
1,1,3-Trichloroacetone	-	min. 86.5 %	GC
1,1-Dichloroacetone	-	max. 0.2 %	GC
3,3,4-Trichloromethylpentanone	-	max. 1.0 %	GC

General Characteristics

Property	Condition	Value	Method
Boiling point	100 hPa	111 - 112 °C	-
Density	20 °C	1.5334 g/cm ³	-
Flash point	-	>= 63 °C	ISO 2719
Lower explosion limit	not applicable	6.3 Vol-%	-
Melting point	-	approx. 10 °C	-
Vapour pressure	38 °C	1.4 hPa	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Agrochemical Solutions
- Building Blocks (Agro)
- Building Blocks for Synthesis (Pharma)
- Pharma

Application details

- Intermediate for folic acid
- API synthesis, e.g. vitamins
- Building block for agrochemical substances/actives

Packaging and storage

Packaging

tank-container

Storage

Storage stability for at least: 12 months

Further information for storage: Store in the original container. Keep container dry and tightly closed. Store cool.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code 1,1,3 Trichloroacetone (1,1,3-TCA)



For technical, quality or product safety questions, please contact:

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productinformation@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.