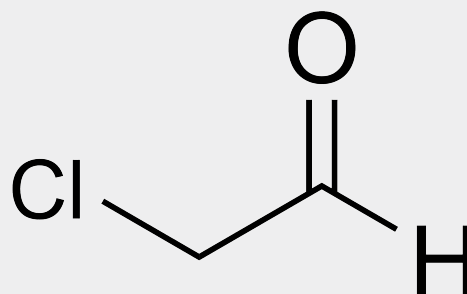


# Chloroacetaldehyde 45 % Solution (CLACH)

## Chlorinated Intermediates

Clear, colourless to slightly yellow, skin irritating liquid with a pungent odour

CAS No. 107-20-0 | Empirical formula  $C_2H_3ClO$  | Molecular weight 78.5



## Properties

- 45.0% aqueous solution
- Transportation between 15 °- 40 °C
- One of the largest producers worldwide
- Lead time: campaign production, several tons usually held in stock
- Scale: >500 MT
- Backward integration to VAM and chlorine
- Storage stability: 12 months
- REACH: SCC (handling as intermediate under strictly controlled conditions)

## Technical data

### Specification

Property	Condition	Value	Method
Assay via density	-	45.0 wt. %	density

## General Characteristics

Property	Condition	Value	Method
Boiling point	1013 hPa	88 - 100 °C	-
Density	20 °C	1.2191 g/cm <sup>3</sup>	DIN 51757
Flash point	-	57 °C	ISO 3679
Ignition temperature	-	> 600 °C	DIN 51794
Lower explosion limit	-	3.9 Vol-%	-
Melting point	not applicable	-	-
Solubility in water	20 °C   completely miscible	-	-
Upper explosion limit	-	9 Vol-%	-
Vapour pressure	20 °C	20 hPa	-
pH	20 °C	0.1 - 1	-

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

- Building Blocks (Agro)
- Building Blocks for Synthesis (Pharma)
- Chemical Industry

## Application details

- Building block for heterocycles (e.g. furanes, thiazoles, thiophenes, 1,2,3-thiadizoles, pyranes, 1,3,5-triazines)
- Building block for amino acids (Cysteine, Serine)
- Building block for the synthesis of pharmaceuticals (e.g. Sulfathiazole, Sulfamethoxydiazine, Tolmetin etc.)
- Building block for pesticides (e.g. Fenfuram, Thidiazuron)
- For synthesis of dyes

## Packaging and storage

### Packaging

Drum with PE-inner liner 205l (230 kg net)

### Storage

Storage stability for at least:

12 months

Further information for storage:

Keep in the original container in a cool well ventilated place. Store in a cool, temperature regulated location. Protect from heat. Keep container dry and tightly closed.

Conditions for storage rooms and vessels: Store under protective gas. Identify sites and escape routes by suitable signs.

Unsuitable material for storage containers, casks and pipelines: light metals and their alloys , iron , steel , zinc . Suitable

material for storage containers, casks and pipelines: glass , enamel , titanium . Test the suitability of materials for storage vessels, containers and piping.

Minimum temperature allowed during storage and transportation: 15 °C

Maximum temperature allowed during storage and transportation: 30 °C

Temperature limit based on safety considerations. A brief increase in temperature to max. 40 ° C does not affect the quality.

Storage beyond the recommended period 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 Chloroacetaldehyde 45 % Solution (CLACH)



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

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