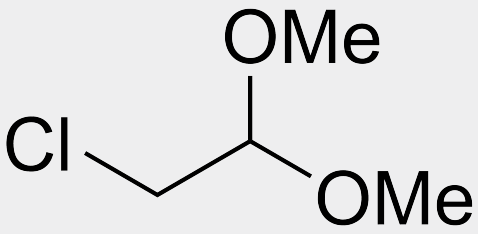
Chloroacetaldehyde Dimethylacetal (CADMA)

Chlorinated Intermediates

Clear, colourless, mobile liquid with a pleasant smell

CAS No. 97-97-2 | Empirical formula $C_4H_9ClO_2$ | Molecular weight 124.6



Properties

- Content min. 99.0%
- 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 24 months
- REACH: SCC (handling as intermediate under strictly controlled conditions)

Technical data

Specification

Property	Condition	Value	Method
Chloroacetaldehyde dimethylacetal	-	min. 99.0 %	GC
DCADMA	-	max. 0.1 %	GC
Dichloromethane	-	max. 0.2 %	GC

General Characteristics

Property	Condition	Value	Method
Boiling point	1013 hPa	126 °C	-
Density	20 °C	1.099 - 1.103 g/cm^3	DIN 51757
Flash point	-	36 °C	DIN 53213
Ignition temperature	-	400 °C	DIN 51794
Lower explosion limit	-	2.3 Vol-%	-
Melting point	-	< -73 °C	-
Refraction index	-	1.4157	-
Solubility in water	20 °C	52 g/l	-
pH	10 g/l | 20 °C	3.4	-

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

Applications

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

Application details

- Building block for heterocycles (e.g. thiazoles, imidazoles, furanes, pyranes etc.)
- Building block for the synthesis of pharmaceuticals (e.g. Sulfamethoxydiazine, Methimazole, Carbimazole, Methyclothiazide, Mepacrin, Trimethoprim, Brodimoprim)
- Building block for pesticides (Buthidazole)
- Building block for aroma chemicals/flavors (terpene acetals)

Packaging and storage

Packaging

Drum with PE-inner liner 205l (210 kg net)

Storage

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 Dimethylacetal (CADMA)

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

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