

Methyl acetoacetate

Specification

Minimum assay (GC- WACKER):	99.0%
Hazen number (ISO 6271):	max. 20
Acetic acid (Litmus):	max. 0.1%

General product description

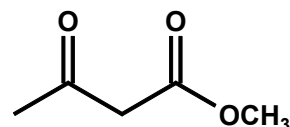
Methyl acetoacetate is a clear, colourless and mobile liquid with a pleasant esterlike odour.

Molecular formula:	C ₅ H ₈ O ₃
Cas-No.:	105-45-3
Mol.-weight:	116.1

Application

- For synthesizing heterocycles (furanes, pyrazolones, isoxazoles, pyrimidines, chinolines etc.) as well as higher carboxylic acids and ketones
- Intermediate for vitamins (A, B1, E) and feed additives (Methionine)
- Intermediate for drugs (e.g. Antipyrine, Dipyridamole, semisynthetic penicillines etc.)
- Intermediate for pesticides (e.g. Mevinphos, Pirimiphos Methyl/Ethyl, Hymexazole etc.)
- Technical solvent and extractant
- For production of azo dyes
- For masking isocyanates in the production of stoving enamels

Chemical structure



Storage

Methyl acetoacetate has a shelf life of at least 6 months, if the product stored in the tightly closed original containers in a dry and cool place. If the material is kept beyond the shelf life, it is not necessarily unusable, but a quality check should be performed on the properties relevant to the application.

Package

PE-drum 220 l (220 kg)

Registration (selected countries / regions)

Europe (EINECS-No.: 203-299-8)
USA (TSCA)
Canada (DSL)
Japan (MITI-No.: 2-1474)
South-Korea (ECL)
Sweden (INV_SE A-Nr. 366211-1)

Product data

Density at 20°C	ca. 1.076 g/ml	*)
Boiling range (27 hPa):	74.1-78.8°C	*)
Refractive index at 20°C:	< 1.4187	*)
Water content:	< 0.01%	*)
Boiling point at 1013 hPa: (decomposition)	169-170 °C	*)
Vapour pressure at 20°C:	4.0 hPa	*)
Solubility in water at 20°C:	46.3%	*)
Water absorption at 20°C:	21%	*)

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

Safety information

Detailed safety information is contained in each material data safety sheet, which can be obtained from our sales offices.

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

WACKER

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Version 9.00 from 15-04-05 replaces
Version 8.00 from 07-04-03

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

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