Acetylacetone
2,4-Pentandione

Specification

- Acetylacetone (GC - WACKER): min. 99.3%
- Acetic acid (GC - WACKER): max. 0.05%
- Water (GC - WACKER): max. 0.1%
- Hazen number (ISO 6271): max. 20

General product description

Acetylacetone is a clear, mobile, colourless to slightly yellowish liquid.

Molecular formula: \( \text{C}_5\text{H}_8\text{O}_2 \)

Cas-No.: 123-54-6
Mol.-weight: 100.11

Application

- For synthesizing heterocycles (isoxazoles, pyrazoles, pyrimidines, pyridines etc.)
- For preparation of metal acetylacetonates as catalysts
- Production of anti-corrosion preparations
- Its peroxide is used as radical initiator for polymerisations
- Intermediate for drugs (e.g. Sulfamethazine, Nicarbazine)
- Synthesis of vitamin B6 and vitamin K
- Intermediate for pesticides (e.g. fungicides, sulfonylurea-herbicides)

Storage

Acetylacetone 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

- Drum with PE-inner liner 205 l (185 kg)
- Intermediate bulk container PE 1000 l (950 kg)

Registration (selected countries / regions)

- Europe (EINECS-No.: 204-634-0)
- USA (TSCA)
- Australia (AICS)
- Canada (DSL)
- Japan (ENCS-No.: 2-562)
- South-Korea (ECL Serial No.: KE-27993)
- Switzerland (BAGT G-1035)
- Sweden (INV_SE A-Nr. 104183-9)
- China (CECI)

Safety information

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

Product data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Boiling point</td>
<td>138-140°C *)</td>
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<tr>
<td>Density at 20°C</td>
<td>0.971-0.972 g/ml *)</td>
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</tbody>
</table>

* These figures are only intended as a guide and should not be used in preparing specifications.
The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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.

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