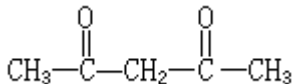




## Technical Data Sheet

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                       |
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| Product Name        | Acetylacetone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                       |
| Synonyms            | 2,4-pentanedione                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |
| CAS No              | 123-54-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |
| Molecular Structure |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |
| Specification       | <p><b>Appearance:</b> Colorless or light yellow transparent liquid</p> <p><b>Molecular Formula:</b> CH<sub>3</sub>COCH<sub>2</sub>COCH<sub>3</sub></p> <p><b>Description:</b> Purity: 99.5% min</p> <p>Chroma(platinum-cobalt): 20 max</p> <p>Density(20°C): 0.970~0.975 g/cm<sup>3</sup></p> <p>Refractive index: 1.450±0.002</p> <p>Acid content(HAc): 0.1% max</p> <p>2,4-hexanedione: 0.13% max</p> <p>Moisture: 0.20% max</p> <p>Evaporation residue: 0.002% max</p>                                                                                                                                                                                                                                                                   |                                                                                       |
| Hazard Class        | UN NO.:2310 , CLASS: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |
| Application         | <ol style="list-style-type: none"><li>1. Intermediate for drugs (e.g. Sulfadimidine/ Sulfamethazine/ SM2, Sulfadimidine Sodium/SM2-Na, Mequindox &amp; Nicarbazine)</li><li>2. For synthesizing heterocycles (isoxazoles, pyrazoles, pyrimidines, pyridines etc.)</li><li>3. For preparation of metal acetylacetonates as catalysts</li><li>4. Production of anti-corrosion preparations (e.g. Potassium Sorbate)</li><li>5. Its peroxide is used as radical initiator for polymerisations</li><li>6. Synthesis of vitamin B6 and vitamin K</li><li>7. Intermediate for pesticides (e.g. fungicides, sulfonylurea-herbicides)</li><li>8. The solvent of cellulose acetate, catalyst of gasoline and lubricant, the drier of paint</li></ol> |                                                                                       |
| Packing             | 200KGS net plastic drum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Quantity / 20'FCL   | 16 MTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |