

Acetylacetone

Beta-diketone chelating agent and chemical intermediate for metal complexes, catalysts and specialty synthesis.

CAS No. 123-54-6	EC / List No. 204-634-0	Transport Class 3 — Flammable liquid; subsidiary risk 6.1
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Product Information

Beta-diketone chelating agent and chemical intermediate for metal complexes, catalysts and specialty synthesis.

Specifications

Parameter	Specification
Appearance	Colourless to light-yellow clear liquid
Purity	≥99.0 %
Moisture	≤0.2 %
Acidity	≤0.1 %
Colour	≤30 APHA

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C ₅ H ₈ O ₂
Molecular weight	100.12 g/mol

Applications

Metal-acetylacetonate and chelate production: Beta-diketone ligand for technically controlled metal-complex manufacture.

Catalyst and coating chemistry: Intermediate for selected catalyst and coating-chemistry development.

Organic and specialty-chemical synthesis: Building block for selected beta-diketone transformations and specialty intermediates.

Packaging / Storage

Item	Information
Packing	200 kg compatible drums
Storage	Keep tightly closed in a cool, dry, well-ventilated flammable-liquid storage area. Segregate from acids, strong oxidizers, oxygen and incompatible metals. Keep away from heat, sparks, flames and hot surfaces.
Handling	Use closed transfer and effective local exhaust ventilation. Wear chemical-resistant gloves, splash goggles, face protection and protective clothing. Avoid all skin contact and vapour inhalation; use grounded equipment, non-sparking tools and appropriate explosion-proof controls.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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