

Technical Data Sheet

 **NAEWAI CORPORATION**

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Zirconium acetylacetonate

Product Identification

Product name : Zirconium acetylacetonate
Chemical Formula : $Zr(C_5H_7O_2)_4$
CAS No. : 17501-44-9

Physical and Chemical Properties

Property	Value / Description
Purity	98% min
Physical State	Crystal
Color	Colorless to White
Specific gravity	1.42 g/cm ³ (20 °C)
Flash Point	80 °C
Solubility in Water	Slightly soluble - 4.29 g/l (20 °C, pH: 5.7)
Stability	Stable under normal conditions
Reactivity	Reactive as catalyst in chemical synthesis

Applications

Cross-linking agent for oxygen-containing polymers, catalyst in organic synthesis (e.g., nitration reactions), sol-gel precursor for zirconia nanoparticles, additive to improve electron transport in perovskite solar cells, used in polymer solar cells as cathode buffer layer, catalyst for ring-opening polymerization for biodegradable polyacid synthesis

Packing

5kg net in sealed containers

Shipping Regulations

Not subject to transport regulations

Precautionary statements

Wash thoroughly after handling.