## **Recent Research Progresses in Energetic Coordination Compounds**

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**Abstract**: Energetic coordination compounds are potential explosive materials with structural stability, high-energy and low sensitivity. All of these compounds have potential applications in ammunition and civil explosives as primary explosive, ignition composition and energetic catalyst. Many achievements of studying on the crystal structures, thermal decomposition properties and explosive properties of the energetic compounds based on perchlorate compounds, azide compounds, nitrate compounds, polynitrophenol compounds and other compounds were briefly summarized and evaluated. The effects of metal ions on properties of energetic coordination compounds were described in detail. Some prospects of the energetic compounds were proposed based on the results involved.

Key words: review; perchlorate compounds; azide compounds; nitrate compounds; polynitrophenol compounds; crystal structures

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