

Re: What is ammonium zincate

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Thank you for the precise information!

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> *Apparently the author is referring to a solution of zinc hydroxide
> dissolved in excess ammonia as ammonium zincate; or more practically
> add enough ammonia just to precipitate Zn(OH)₂ from any soluble zinc
> salt; separate and dissolve in excess conc. ammonia solution. The name
> is misleading though, since the hydroxide dissolves in ammonia forming
> a compound similar to copper-ammonia complex of type [Zn(NH₃)_n](2+)
> not because of zincate ions.*

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> *"Organic Synthesis" also refers to ammonium zincate to "A solution of
> 20 g (0.15 mol) of zinc chloride (ZnCl₂) in a mixture of 500 mL of
> concentrated aqueous ammonium hydroxide"*

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