



Chemistry for Safer, Sustainable Life

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Ammonium oxalate monohydrate Data Sheet

Catalog sizes	100g , Listed as 100g Ammonium oxalate monohydrate, AMOX00100 500g , Listed as 500g Ammonium oxalate monohydrate, AMOX00500 1kg , Listed as 1kg Ammonium oxalate monohydrate, AMOX01000
Category	Ionic Liquids
Product specification	White crystalline powder <ul style="list-style-type: none">• Product ID : AMOX00100• Purity : 98%+• CAS : 6009-70-7• Formula : C₂H₈N₂O₄• MW : 142.11g/mol• MP : 131-135C• Solubility : 40-50g/L in water
Product description	<p>Ammonium oxalate monohydrate is a white, odorless, crystalline, hygroscopic, water-soluble salt. One principal use of ammonium oxalate is in the controlled production of calcium oxalate to generate an acid resistant, protective coating for construction stones (limestone, marble, and calcareous sandstone artefacts) and plaster [Mundronja D. Applied Physics (2013) 111: 109-119]. The displacement reaction between ammonium oxalate and calcium carbonate to form calcium oxalate is the premise on which this treatment is based. Ammonium oxalate is also used in to manufacture explosives, industrial dyes, buffering agents, and polishing substances. Such uses can be generally summarized as:</p> <ul style="list-style-type: none">• Decalcification agent• Surface treating agent for limestone, marble, and calcareous sandstones• Ferrous iron extraction agent• Protection of monumental limestone• Anticoagulant• Analytical reagent• Reducing agent• Precipitant