AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Oxalic Acid

Product Name: Oxalic Acid
CAS Number: 6153-56-6
Formula: $C_2H_2O_4 .2H_2O$
Molecular weight: 126.07 g/mol
Appearance: white crystalline solid
Melting Point: 101.5 °C
Density: 1.653 g/cm^3
Solubility in water: 118 mg/ml at 25 °C

Typical Product Specifications

Properties	Specifications
Assay	≥ 99.6 %
Sulfate, SO_4	≤ 0.08 %
Chlorides	≤ 0.003 %
Iron, Fe	≤ 0.0015 %
Heavy metals (as Pb)	≤ 0.001 %
Water insolubles, 25 °C	≤ 0.10 %
Residue on ignition (ash)	≤ 0.08 %

Oxalic acid is the simplest dicarboxylic acid and is a reducing agent. The conjugate base, oxalate, is a chelating agent for metal cations. Oxalic acid is found naturally in foods, but it can be harmful in larger amounts.

Oxalic acid is widely used for cleaning, bleaching, mordant, stain remover, and rust remover. It is effective for rust removal due to the formation of a stable water-soluble salt, ferrioxalate ion. Oxalic acid functions as a reducing agent for metal oxides, which is effective in removing tarnish, rust, and ink stains. Oxalic acid has applications as a mordant in the dyeing industry.

Storage and Handling: Keep containers tightly closed in a cool, dark, ventilated place.

Packaging: 25 kg

Transport Regulations: Not classified as dangerous goods (for reference only).

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.
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