AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Sodium Molybdate

Product Name: Sodium Molybdate

CAS Number: 10102-40-6

Formula: $MoNa_2O_4 \cdot 2H_2O$

Synonyms: Sodium molybdate dehydrate,

Sodium molybdate(VI) dehydrate,

Disodium molybdate dihydrate

Appearance: crystalline white powder

Molecular Weight: 242 g/mol

Typical Product Specifications

Mo	≥ 39 %
Sulfates	≤ 0.2 %
Chlorides	≤ 0.05 %
Water insolubles	≤ 0.05 %
NH_4	≤ 0.005 %
Cu	≤ 0.003 %
Fe	≤ 0.003 %
Pb	≤ 0.002 %

Sodium Molybdate is widely used in manufacturing, including agricultural fertilizers, pigments, catalysts, fire retardants, corrosion inhibitors, as well as water treatment.

It is an essential micronutrient for plants and animals. It is commonly used for hydroponics and leguminous plants, such as peas, beans, lentils, alfalfa, and peanuts. Sodium Molybdate improves the uptake of nitrogen and promotes efficient fixing of atmospheric nitrogen by bacteria.

It is also used for metal surface treatment, including galvanizing and polishing.

Sodium Molybdate is used in water treatment, including industrial water treatment due to its low toxicity. The advantage of Sodium Molybdate in water treatment is that it is effective in low dosages, which maintains low conductivity of water and prevents corrosion by reducing galvanic corrosion potentials.

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

Packaging: 55 lb / 25 kg bag

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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