Product Name: Sodium Molybdate

Product Number: S043

CAS Number: 7631-95-0

Molecular Formula: Na₂MoO₄

Molecular Weight: 205.92 g/mol

Form: Powder

Appearance: Colorless crystalline

Solubility: Water: Freely soluble

Melting Point: 687 °C

Storage Conditions: Ambient

Description: Sodium molybdate is a freely soluble synthetic molybdenum containing compound.

Mechanism of Action: Sodium molybdate provides the nitrogen fixing soil bacteria Azotobacter with molybdenum which allows the cell to more efficiently fix atmospheric nitrogen by catalyzing bond breakage.

Plant Biology Applications: Sodium molybdate is commonly used in plant fertilizers as it aids in supplying plants with nitrogen.