

Technical Data Sheet

 **NAEWAI CORPORATION**

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Bismuth nitrate

Product Identification

Product name : Bismuth nitrate
Chemical Formula : $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
CAS No. : 10035-06-0

Physical and Chemical Properties

Property	Value / Description
Purity	98% min
Physical State	Solid
Color	White crystalline
Density	2.82 g/cm ³
Melting Point	73 °C (1020 hPa)
Boiling Point	> 600 °C (1020 hPa)
Solubility in Water	Slowly decomposes in water
Electrical Properties	No data
Stability	Stable under dry conditions; hygroscopic; decomposes releasing acrid fumes when heated
Reactivity	Incompatible with strong acids, reducing agents, organic materials, finely powdered metals; strong oxidizer

Applications

Oxidant in organic synthesis, reagent for selective oxidation of sulfides to sulfoxides, preparation of other bismuth compounds, precursor for photocatalysts, component in luminous paints and bismuth salts preparation, TLC stain, reagent

Packing

20kg net in sealed containers

Shipping Regulations

UN No.1477

Safety Information

Causes skin irritation.