

Technical Data Sheet

 **NAEWAI CORPORATION**

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Nickel carbonate

Product Identification

Product name : Nickel carbonate
Chemical Formula : NiCO₃
CAS No. : 12607-70-4

Physical and Chemical Properties

Property	Value / Description
Purity	Ni 35% min
Physical State	Solid
Color	Greenish to pale green
Melting Point	Decomposes before melting
Solubility in Water	Sparingly soluble in water
Stability	Stable under normal conditions
Reactivity	Reacts with acids releasing CO ₂ , decomposes upon heating to NiO

Applications

Dopant in glass and ceramics for color effects (produces aqua and lavender colors), in solid-state lasers, color TV tubes, glass coloring, high-temperature ceramics, superconductors, catalysts for oxidative coupling, and in electrochemical production of neodymium metal

Packing

25kg net in sealed containers

Shipping Regulations

Not subject to transport regulations

Safety Information

Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction.
Causes serious eye irritation. Fatal if inhaled. Suspected of causing genetic defects.
May cause cancer if inhaled.
Causes damage to organs (such as lungs) through prolonged or repeated exposure.
Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.