

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME : NICKEL HYDROXIDE

General

Synonyms: nickel (II) hydroxide, nickelous hydroxide, green nickel oxide, nickel (2+) hydroxide

Molecular formula: Ni(OH)₂

CAS No: 12054-48-7

EC No:

Physical data

Appearance: green powder or crystals

Melting point: 230°C

Boiling point:

Vapour density: 3.2 (air = 1)

Vapour pressure:

Density (g cm⁻³): 4.15

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility:

Stability

Stable. Incompatible with strong acids, water, moisture.

Toxicology

Poison. May act as a carcinogen. Harmful if swallowed, inhaled or absorbed through the skin. May act as a sensitizer. Skin, eye and respiratory irritant. Typical TLV/TWA 1 mg/m³. Typical STEL 1 mg/m³.

Personal protection

Safety glasses, gloves, adequate ventilation. Handle as a carcinogen.