

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME : COPPER NITRATE

General

Synonyms: copper nitrate, cupric nitrate trihydrate, cupric nitrate

Use:

Molecular formula: $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$

CAS No: 10031-43-3

EINECS No: 221-838-5

Physical data

Appearance: blue crystalline solid

Melting point: 114° C

Boiling point: ca. 170°C (decomposes)

Vapour density:

Vapour pressure:

Density (g cm^{-3}): 2.32

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: substantial

Stability

Stable. Strong oxidant - may ignite combustible material. Moisture sensitive. Incompatible with anhydrides, ammonia, amides, cyanides.

Toxicology

Harmful if swallowed. Skin irritant. Severe eye irritant.

Personal protection

Safety glasses.