



Product Specification

Product Name: COPPER(II) SULFATE Pentahydrate AR

Alternate Name(s) Cupric Sulfate; Blue Stone; Blue copperas; Blue Vitriol

Description

Blue crystals or blue crystalline granules or powder.

Properties

Chemical Formula:

Molecular Weight: 249.68

Product Code: CA068

CAS No. 7758-99-8

General Information:

Slowly effloresces in air. Nauseous metallic taste. Soluble in water, methanol; slightly soluble in ethanol & glycerol. Environmental hazard - spills very toxic to aquatic life.

Hazard and Safety Data

UN Group: III
Class: 9
UN Number: 3077
Hazchem code: 2Z
CS MSDS Code: 1CH2B
Poison schedule: S6
Emergency
Procedure Guide No.: 47

Quality Specification

Assay: 98.0 - 102.0%

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤0.005%
Chloride (Cl)	≤0.001%
Nitrogen compounds (as N)	≤0.002%
Calcium (Ca)	≤0.005%
Iron (Fe)	≤0.003%
Nickel (Ni)	≤0.005%
Potassium (K)	≤0.01%
Sodium (Na)	≤0.02%

CONFORMS TO ACS

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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