

Product Specification

Product Name: MERCURY(I) NITRATE Dihydrate AR

Alternate Name(s) Mercurous nitrate dihydrate

Description

White to yellow crystalline powder; effloresces and becomes anhydrous in dry air; sensitive to light. Slight odour of nitric acid.

Properties

Chemical Formula: $\text{Hg}_2(\text{NO}_3)_2 \cdot 2\text{H}_2\text{O}$

Molecular Weight: 561.22

Product Code: MA051

CAS No. 14836-60-3

General Information:

Incompatible with phosphorus and combustible material. Very toxic if swallowed or by dust inhalation. Not combustible but assists combustion of other substances.

Quality Specification

Assay: 97.0% min.

Specific Properties and Impurities [Typical levels]:

Insoluble Matter	≤ 0.005%
Residue after reduction	≤ 0.01%
Chloride (Cl)	≤ 0.005%
Sulfate (SO ₄)	≤ 0.005%
Iron (Fe)	≤ 0.001%
Mercuric Mercury (as Hg)	≤ 0.5%

Hazard and Safety Data

UN Group:	II
Class:	6.1
UN Number:	1627
Hazchem code:	2X
CS MSDS Code:	1CH4E
Poison schedule:	S7
Emergency Procedure Guide No.:	34

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