



Product Specification

Product Name: MERCURY (II) OXIDE Red AR

Alternate Name(s) MERCURY OXIDE

Description

Heavy, bright red or orange-red powder, yellow when finely powdered.

Properties

Chemical Formula: HgO

Molecular Weight: 216.59

Product Code: MA050

CAS No. 21908-53-2

General Information:

Insoluble in water, alcohol and ether. Incompatible with metal, hydrogen peroxide, hypophosphorus acid and reducing materials. Fire risk in contact with organic materials.

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Specific Gravity	11.00-11.29
Solubility in Water (@ 25 °C)	0.05 g/L
Decomposition Temp.	500 °C
Insoluble in dilute hydrochloric acid	≤ 0.03%
Residue after reduction	≤ 0.05%
Chloride (Cl)	≤ 0.025%
Sulfate (SO ₄)	≤ 0.015%
Nitrogen compounds (as N)	≤ 0.005%
Iron (Fe)	≤ 0.005%

Hazard and Safety Data

UN Group:	II
Class:	6.1
UN Number:	1641
Hazchem code:	2Z
CS MSDS Code:	1CH4D
Poison schedule:	S7
Emergency Procedure Guide No.:	34

CONFORMS TO ACS

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