



Product Specification

Product Name: MERCURY (II) OXIDE Yellow AR

Alternate Name(s) Mercuric oxide

Description

Orange-red or orange-yellow crystalline powder; odourless. Stable in air but turns dark on exposure to light.

Properties

Chemical Formula: HgO

Molecular Weight: 216.59

Product Code: MA140

CAS No. 21908-53-2

General Information:

Incompatible with strong oxidizing agents, reducing agents, low molecular weight organics, chlorine and combustible materials. Non combustible material.

Hazard and Safety Data

UN Group: II
Class: 6.1
UN Number: 1641
Hazchem code: 2X
CS MSDS Code: 1CHU7
Poison schedule: S7
Emergency
Procedure Guide No.: 34

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Vapour Pressure (20 °C)	0.12 Pa
Specific Gravity (27.5 °C)	11.03
Solubility in Water (25 °C)	0.052 g/L
pH Value (slurry, 50g/l, H ₂ O, 20 °C)	6-7
Decomposition Temp.	500 °C
Insoluble in dilute hydrochloric acid	≤ 0.03%
Residue after reduction	≤ 0.05%
Chloride (Cl)	≤ 0.025%
Sulfate (SO ₄)	≤ 0.01%
Nitrogen compounds (as N)	≤ 0.005%
Iron (Fe)	≤ 0.003%

CONFORMS TO ACS

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