



Product Specification

Product Name: SODIUM SULFIDE Hydrated AR

Alternate Name(s)

Description

Yellow or brick-red lumps or flakes or deliquescent crystals. Darkens on exposure to air and light. To enhance stability, storage below 10°C is recommended.

Properties

Chemical Formula: $\text{Na}_2\text{S}\cdot x\text{H}_2\text{O}$

Molecular Weight: 78.04 + aqua

Product Code: SA019

CAS No. 27610-45-3

General Information:

Slightly soluble in alcohol. Insoluble in ether. Mildly corrosive to most metals. Reacts with acids evolving hydrogen sulfide, a toxic and flammable gas.

Hazard and Safety Data

UN Group: II
Class: 8
UN Number: 1849
Hazchem code: 2X
CS MSDS Code: 1CH6R
Poison schedule: Not scheduled
Emergency
Procedure Guide No.: 38

Quality Specification

Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Decomposition Temp.	920 °C
Solubility in Water at 20°C	160 g/100 ml
Specific Gravity @ 16°C	1.427
Melting Point	90°C
Ammonium (NH ₄)	≤ 0.005%
Sulfite and thiosulfate (as SO ₄)	≤ 0.1%
Iron (Fe)	Passes test

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