



Product Specification

Product Name: AMMONIUM PERSULFATE AR

Alternate Name(s) Ammonium peroxydisulfate; peroxydisulfuric acid diammonium salt;

Description ammonium peroxodisulfate; peroxodisulfuric acid diammonium salt;

White, odourless crystals. Stability decreases in the presence of moisture.

Properties

Chemical Formula: $(\text{NH}_4)_2\text{S}_2\text{O}_8$

Molecular Weight: 228.20

Product Code: AA019

CAS No. 7727-54-0

General Information:

Incompatible with reducing agents, organic material, strong bases and oxidisers, powdered metals, acid solutions. Mixtures with combustible material are readily ignited.

Quality Specification

Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Melting Point	120°C (decomposes)
Specific Gravity (20 °C)	1.98
Solubility in Water (20 °C)	620 g/L
Insoluble matter	≤ 0.02%
Chloride and chlorate (as Cl)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.003%
Calcination residue (as SO ₄)	≤ 0.1%
Copper (Cu)	≤ 0.005%
Iron (Fe)	≤ 0.001%
Lead (Pb)	≤ 0.001%
Manganese (Mn)	≤ 0.0002%
Nickel (Ni)	≤ 0.005%

Hazard and Safety Data

UN Group:	III
Class:	5.1
UN Number:	1444
Hazchem code:	2W
CS MSDS Code:	1CH15
Poison schedule:	Not scheduled
Emergency Procedure Guide No.:	31

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