Summary Technical Data Sheet

Sodium Persulfate

Product Name: Sodium Persulfate

Synonyms: Sodium Persulphate, Sodium peroxodisulfate

CAS Number: 7775-27-1

Formula: $Na_2S_2O_8$

Molecular weight: 238.10 g/mol

Appearance: white crystalline powder

Density: 1.68 g/cm^3

Water solubility: 730 g/L at 25 °C (77 °F)

Product Specifications

Properties	Specifications
Purity ($Na_2S_2O_8$)	≥ 99.0 %
Heavy Metal (Pb)	≤ 0.0010 %
Iron (Fe)	≤ 0.0010 %
Manganese	≤ 0.0001 %
Chloride and Chlorate	≤ 0.005 %
Ammonium Salt	≤ 0.05 %
Active Oxygen	≥ 6.65 %
Moisture	≤ 0.05 %

Sodium Persulfate is a white water-soluble powder and a strong oxidizing agent. It has many applications as an oxidizing and bleaching agent in detergents, cosmetics, metal finishing, and environmental remediation.

Sodium Persulfate is an important component of etching mixtures for zinc and printed circuit boards, as well as pickling of copper, nickel, and titanium. Sodium Persulfate is used in the development of dyestuffs and desizing and bleaching of textiles. Sodium Persulfate functions as a radical initiator for emulsion polymerizations of styrene based polymers, such as Acrylonitrile Butadiene Styrene, Poly(vinyl chloride), Acrylics.

It is also used in environmental remediation for soil, groundwater and wastewater.

Storage and Handling: Keep containers tightly closed in a cool, dark, ventilated place.

Packaging: 55 lb **/** 25 kg

Transport Regulations: UN1505. Class 5.1. Packing Group III.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.
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