Ammonium Persulfate

CAS Number: 7727-54-0
Chemical Formula: $(NH_4)_2S_2O_8$

Ammonium Persulfate is a white crystalline powder widely used as a strong oxidizing agent in polymerization, etching, and cleaning applications. It offers high purity, low levels of heavy metals, and excellent stability for industrial use.

KEY FEATURES

- High assay for consistent performance
- Low heavy metal and impurity content
- Strong oxidizing properties
- Stable and free-flowing crystalline powder

APPLICATIONS

- Polymerization initiator
- Printed circuit board etching
- Oxidizing agent in chemical synthesis
- Cleaning and descaling formulations

TECHNICAL SPECIFICATIONS

Parameter	Specification
Appearance	White crystal powder
Assay $(NH_4)_2S_2O_8$ (%)	≥ 98.5
Heavy Metal (as Pb) (%)	≤ 0.0005
Iron (Fe) (%)	≤ 0.0005
Manganese (Mn) (%)	≤ 0.00005
Residue After Ignition (%)	≤ 0.05
Free Acid (as H_2SO_4) (%)	≤ 0.10
Active Oxygen (%)	≥ 6.90
Moisture (%)	≤ 0.10

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

Available in 25 kg bags or customized packaging upon request.

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area away from heat sources and incompatible materials. Keep containers tightly closed. Avoid exposure to moisture.

SAFETY

Ammonium Persulfate is a strong oxidizer and may cause skin and eye irritation. Handle with care and use appropriate personal protective equipment (PPE). Refer to the Safety Data Sheet (SDS) for detailed safety information.