

Ammonium Persulphate

Inorganic persulfate oxidizer for polymerization initiation, metal treatment and starch processing.

CAS No. 7727-54-0	EC / List No. 231-786-5	Transport Class 5.1 — Oxidizer
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Product Information

Inorganic persulfate oxidizer for polymerization initiation, metal treatment and starch processing.

Specifications

Parameter	Specification
Appearance	White crystalline powder
Assay	≥98.5 %
Moisture	≤0.10 %
Chloride and chlorate, as Cl	≤0.001 %
Manganese	≤0.00005 %
Iron	≤0.0005 %
Lead	≤0.0005 %
Active oxygen	≥6.90 %

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	(NH ₄) ₂ S ₂ O ₈
Molecular weight	228.20 g/mol

Applications

Polymerization initiation: Initiator for qualified emulsion or solution polymerization systems.

Metal cleaning and etching: Oxidizing reagent for selected metal cleaning, pickling and etching baths.

Starch and textile processing: Oxidizing ingredient for compatible starch modification and textile desizing.

Packaging / Storage

Item	Information
Packing	25 kg plastic woven bags
Storage	Store tightly closed, cool, dry and ventilated in a designated oxidizer area. Segregate from combustibles, organic materials, reducing agents and incompatible metals. Protect from moisture, heat and contamination.
Handling	Use dust-controlled transfer and suitable local extraction. Wear protective gloves, goggles and work clothing; select fitted respiratory protection if ventilation cannot control exposure. Prevent skin contact and breathing of dust; do not mix with combustibles.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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