



鈞泰化工股份有限公司  
ACE CHEMICAL CORP.

**Aceox**<sup>®</sup>

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# Aceox<sup>®</sup> APS

## PRODUCT DATA SHEET

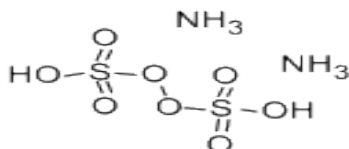
### Ammonium Persulfate

Issued Date 2013/2/18

#### Description

Aceox APS is a white, crystalline, odorless salt. It is used as initiator for the polymerization of monomers and as a strong oxidizing agent in many applications. It has the particular advantage of being almost non-hygroscopic, of having particularly good storage stability as a result of its extremely high purity and of being easy and safe to handle.

#### Chemical structure



CAS No.: 7727-54-0

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

MW: 228.20

#### Specifications

Typical Property	Unit	Standard
Assay	%	≥ 98.5
Active Oxygen	%	≥ 6.91
Residue after ignition	%	≤ 0.02
Chloride and Chlorate	%	≤ 0.001
Manganese	%	≤ 0.00005
Iron	%	≤ 0.0005
Heavy metals	%	≤ 0.0005
Moisture	%	≤ 0.1

#### Application

Aceox APS is a suitable initiator for emulsion or solution polymerization of acrylic monomers, vinyl acetate, vinyl chloride etc. and for emulsion copolymerization of styrene, acrylonitrile, butadiene etc. It is also a kind of oxidizing agent, used in cleaning and pickling of metal surface, accelerated curing of low formaldehyde adhesives and modification of starch, production of binders and coating materials, also can be used as desizing agent and bleach activator. It is an essential component of bleaching formulations for hair cosmetics.

#### Packaging and storage

- 25kg PP/PE bag.
- Store in a cool, dry, well-ventilated area away from all source of ignition and out of direct sunlight.
- Store at temperature less than 30°C.