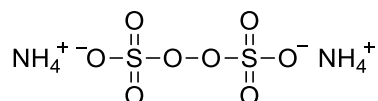


APS-5F

Ammonium peroxodisulfate (ammonium persulfate) with 0.5 % silicic acid
CAS#7727-54-0
Technically pure, solid

Structural Formula



Description

Ammonium persulfate is a white, crystalline salt consisting of technically pure ammonium peroxodisulfate with selected particle size distribution and silicic acid to enhance free flowing properties. Due to the uniform particle size distribution and the small particles itself this product is used preferably to produce solid formulations, e.g. hair bleaching powders. It has the particular advantage of having a good storage stability as a result of its extremely high purity and of being easy and safe to handle. Due to its hygroscopic character APS-5F tends to lumping especially in humid atmosphere.

Technical Data

Appearance	white, crystalline solid
Assay (typically)	approx. 99.2 % w/w
Active oxygen (AO, typically)	approx. 7.0 % w/w
Acid (calculated as H ₂ SO ₄ , typically)	ca. 0.05 % w/w
Iron content (typically)	approx. 1 mg/kg
Bulk density	approx. 1100 kg/m ³
Melting point	(decomposition)
Solubility in water at 10 / 20 / 40 / 60 °C	approx. 550 / 620 / 700 / 835 g/L
pH of a 1 % solution in water (typically)*	approx. 4.3
pH of a 10 % solution in water (typically)*	approx. 3.5
Decomposition temperature (SADT)**	130 °C
Recommended storage temperature	< 30 °C
Storage stability as from date of delivery	12 months
Moisture content (typically)	< 0.03 % w/w

*The initial pH value depends on the certified sulfuric acid content.

**Even small amounts of moisture or impurities can noticeably reduce SADT.

Standard Packaging

25 kg PE-bag
1000 kg big bag

Application

COSMETICS:

- Essential component of bleaching formulations

Storage

Avoid any source of heat, light, humidity and protect the product from impurities.
Keep dry and within safe temperature limits.

Disclaimer:

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