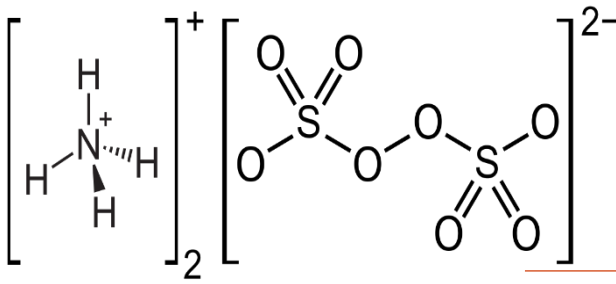


## AMMONIUM PERSULFATE



**IUPAC NAME:** diazanium;sulfonatooxy sulfate

**CHEMICAL FORMULA:** H<sub>8</sub>N<sub>2</sub>O<sub>8</sub>S<sub>2</sub>

**CAS NO:** 7727-54-0

**MOLECULAR WEIGHT:** 228.18 g/mol

**PACKING:** Bag, 25 KG

### PRODUCT DESCRIPTION:

Ammonium persulfate is a chemical compound with the molecular formula (NH<sub>4</sub>)<sub>2</sub>S<sub>2</sub>O<sub>8</sub>. It is a white, odourless, and water-soluble crystalline powder. Ammonium persulfate is a strong oxidizing agent and is commonly used as a radical initiator in various chemical reactions, such as polymerization, emulsion processes, and in the electronics industry for etching copper-coated printed circuit boards. Its high reactivity makes it valuable in many applications, including hair bleaching in the cosmetics industry and as a component in certain hair dyes. Additionally, it is used as an oxidizing agent in the preparation of various chemical compounds.

### PROPERTIES:

Ammonium persulfate exhibits potent oxidation and corrosion properties, readily decomposes under heat, has low moisture absorption capability, and is soluble in water. Its solubility increases further in warm water and other similar conditions.

### APPLICATION AREAS:

- bleaching agent
- food preservative
- polymerization inhibitor

### IT IS APPLIED IN THE PRODUCTION OF:

- In food products, as a preservative.
- Bleach for hair is made up of several different ingredients.
- PCBs use it (printed circuit boards).
- It's used as a general oxidizer.
- It's also utilized as a catalyst in a variety of polymerization reactions.
- As an initiator in olefin polymerization.
- In photography, this term is used.
- Infected yeast is washed with this solution.
- Pyrogallol stains are removed with this product.
- In batteries, it's used as a depolarizer.


**CHEMICAL PROPERTIES**

<b>PURITY</b>	≥ 99.0
<b>ACID CONTENT</b>	
<b>MOISTURE AMOUNT</b>	
<b>COLOUR (APHA)</b>	
<b>INHIBITOR</b>	

**PHYSICAL PROPERTIES**

<b>APPEARANCE</b>	White granule
<b>PHYSICAL STATE</b>	Solid
<b>ODOR</b>	Odourless
<b>DENSITY</b>	1.9 g/cm <sup>3</sup>
<b>FREEZING POINT</b>	120°C

**SAFETY INFORMATION**

<b>HAZARD PICTOGRAM(S)</b>	
<b>HAZARD STATEMENT(S)</b>	<p>H272 May intensify fire; oxidizer.</p> <p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p>
<b>PRECAUTIONARY STATEMENT(S)</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P220 Keep away from clothing and other combustible materials.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
<b>STORAGE CONDITIONS</b>	<p>Not leave any combustible material or heavy metals which accelerate decomposition</p> <p>Avoid humidity and store in a cool and shaded place</p>
<b>TRANSPORT INFORMATION</b>	<p><b>UN number</b></p> <ul style="list-style-type: none"> <li>• ADR/RID: 1444</li> <li>• IMDG: 1444</li> <li>• IATA: 1444</li> </ul>



**UN proper shipping name**

- ADR/RID: AMMONIUM PERSULPHATE
- IMDG: AMMONIUM PERSULPHATE
- IATA: Ammonium persulphate

**Transport hazard class(es)**

- ADR/RID: 5.1
- IMDG: 5.1
- IATA: 5.1

**Packaging group**

- ADR/RID: III
- IMDG: III
- IATA: III

**Environmental hazards**

- ADR/RID: no
- IMDG Marine pollutant: no
- IATA: no

**Special precautions for user**

No data available

**For more information, check the SAFETY DATA SHEET or get contact with us.**