



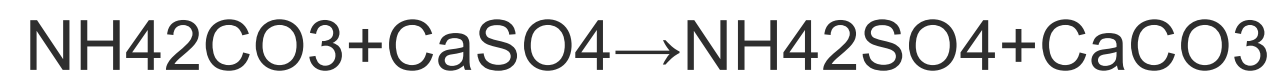
بارشاوا سپهر پارت

**Barsava Sepehr Part ( BSP )**

## About Us :

Ammonium sulfate crystals are formed by circulating the solution through an evaporator where it thickens. A centrifuge separates the crystals from the mother liquor. The crystals contain 1%–2.5% moisture and are dried in a fluidized bed or rotary drum dryer. Dryer exhaust gases are sent to a particulate collection system (e.g., wet scrubber) to control emissions and recover residual product.

Ammonium sulfate also is manufactured from gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ). In this process, finely divided gypsum is added to a solution of ammonium carbonate causing calcium carbonate precipitates as a solid, leaving ammonium sulfate in the solution:



## Chemical Properties:

Ammonium sulfate, also called di ammonium sulfate or sulfuric acid di ammonium salt, is a white crystalline solid with no smell. It tastes salty. The compound dissolves easily in water but will not dissolve in alcohol or acetone. It readily absorbs water, so if it's exposed to moist air, it will "scab" on the damp surfaces. When ammonium sulfate reacts with alkaline substances, it gives off ammonia gas. Finally, ammonium sulfate is a fertilizer that's sometimes used in making homemade explosives.



## Sulfate ammonium used for:

Ammonium sulfate is used most commonly as an artificial fertilizer for alkaline soils. When introduced into damp soil, an ammonium ion is released. This creates a small amount of acid, which lowers the pH balance of the soil. It also contributes nitrogen, which aids in plant growth. It dissolves relatively slowly, which makes it cheaper than some other artificial fertilizers. Ammonium sulfate is also used as an herbicide because it will burn the leaves of plants and either kill them outright or at least weaken them for easy removal.





Vision

Mission

Values

## **MISSION**

THE POWER OF CHEMISTRY,  
Saving our planet and Creating our Future together

## **VISION**

To be a world-class chemical company making great products for society.

## **VALUE**

1. Excellence in Safety & Quality
2. Accepting Challenges
3. Unlimited Creativity
4. Growing Connectivity
5. Experience Pride



CONTACT US



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Part ( BSP )

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