



Tech

Technical Data

80 Metcalfe Street
Buffalo, New York 14206
716-856-2300/fax 716-856-7115

AMMONIUM PERSULFATE

GENERAL DESCRIPTION:

Ammonium Persulfate (APS) is an organic compound which is highly soluble in water that is used as an etchant, and cleaning/bleaching agent, among other industrial uses.

APPLICATIONS:

- ◆ Fracking: Allows a delayed breakdown of the gel
- ◆ Cosmetics: Hair coloring
- ◆ Disinfectant
- ◆ Manufacturing of household plastics

PHYSICAL PROPERTIES:

- ◆ Appearance: White crystals
- ◆ pH (1% solution): 5.2
- ◆ Odor: None
- ◆ Solubility in water (25°C): 85%

BENEFITS:

- ◆ Polymerization initiator in polymer chemistry.
- ◆ Etchant and cleaner in manufacture of printed circuit boards.
- ◆ Booster in hair bleaching formulations in cosmetics.
- ◆ Secondary oil recovery systems as a polymerization initiator and gel breaker.

HANDLING & STORAGE:

HANDLING: Use adequate ventilation when transferring product from bags or drums. Wear respiratory protection if ventilation is inadequate or not available. Use eye and skin protection when contact is expected. Use clean plastic or stainless steel scoops only.

STORAGE: Store (unopened) in a cool, clean, dry place away from point sources of heat, e.g. radiant heaters or steam pipes. Use first in, first out storage system. Avoid contamination of opened product. In case of fire or decomposition (fuming/smoking) deluge with plenty of water to control decomposition. For storage, refer to NFPA Bulletin 430 on storage of liquid and solid oxidizing materials.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)