

Ammonium Perchlorate (Avg. 200 Microns)**Product Data Sheet**

M.W. 117.49

PDS-APC-C04-R2

NH₄ClO₄

CAS No.7790-98-9

Effective: 13-06-2025

Appearance	:	White crystalline solid or powder.	
Specifications	:	Purity	: 99.0 % Min
		pH	: 4.0 - 6.0
		Chlorates as ClO ₃ ⁻	: 0.05 % Max
		Chlorides as Cl ⁻	: 0.07 % Max
		Bromate as NaBrO ₃	: 0.04 % Max
		Sulphates as SO ₄ ²⁻	: 0.05 % Max
		Insolubles in water	: 0.01 % Max
		Total moisture	: 0.20 % Max
		Surface moisture	: 0.04 % Max
		Sulphated Ash	: 0.25 % Max
Particle size	:	Passing through 300 µm	: 100 %
		- 300 + 150 µm	: 88.0 % Min
		- 150 + 105 µm	: 12.0 % Max
		< 105 µm	: 1 % Max.
Properties	:	Solubility	: ~ 21 g in 100 ml water at 20 °C
		Bulk Density	: ~ 1.2 g/cc
Packing	:	50 kg nett UN certified HDPE drums with double PE liner bags with silica gel pouch in between (for local supply only). 25 kg nett UN certified HDPE drums with HM-HDPE liner bag. 600 kg per pallet, 12 MT per 20' FCL	
Stability	:	Stable compound if stored as recommended. Hygroscopic. May cake on Storage. Decomposes exothermically beyond 150 °C.	
Storage	:	Store away from organic compounds and combustible materials. Keep away from open flames, spark and direct heat.	
Handling	:	Strictly no smoking. Wear protective gloves and eye protection. In case of accidental contact, flush with plenty of water. In case of spillage, flush with water and dispose as per local environment regulation.	
Uses	:	In manufacture of solid propellants and in pyrotechnics.	
Shipping Information	:	EC No.	: 232-235-1
		CAS No.	: 7790-98-9
		H.S. Tariff Code	: 2829.90.10
		UN No.	: 1442 Packing Group: II
		Proper Shipping Name	: Ammonium Perchlorate
		Hazard Class	: 5.1 Oxidizing Substance
		EmS No.	: F-H, S-O; MFAG Table No: 745
		Label	: Oxidizer 5.1
		Subsidiary Risk	: None
Note	:	The information provided is subject to revision based on updated regulatory requirements and continual improvements.	