



AMMONIUM PERCHLORATE

SPACE PROPULSION

- › LAUNCHER
- › TACTICAL PROPULSION
- › AUTOMOTIVE SAFETY
- › PREMIUM 200 μ
- › PREMIUM 400 μ
- › 400 μ

A strong and powerful oxidizer, and the main component in composite propellants

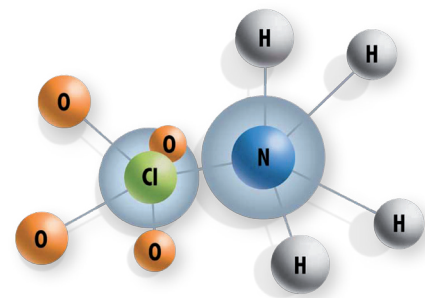


AMMONIUM PERCHLORATE

SPACE PROPULSION

ArianeGroup is the world leader in the synthesis, crystallization and characterization of ammonium perchlorate (AP). It is the only supplier that uses its own ammonium perchlorate to formulate composite propellants for all solid propulsion applications.

TYPICAL ANALYSIS	
Chemical Properties	
Formula	NH ₄ ClO ₄
Assay	≥ 99.5%
Moisture	≤ 0.05%
Cl ⁻ ; ClO ₃ ⁻	≤ 0.02%
SO ₄ ²⁻	≤ 0.07%
Na ⁺ +K ⁺	≤ 0.03%
Particle Sizing	
From crystallization	200 µm and 400 µm
From grinding	3, 9, 20, 35 and 90 µm Particles shape under control
Product can be manufactured to custom particle sizes and particle size distribution	
Physical Properties	
Density	1.95
Molecular weight	117.5
Anti-caking agent	On demand



Associated services and consultancy:

- › has a full knowledge and practice of export authorization procedures;
- › can organize product transportation by sea, road or rail;
- › can provide services on safety, storage and uses;
- › ensures on demand product analysis on samples supplied by customers;
- › has expertise on biological product destruction.

REGULATORY INFORMATION

See SDS

› Crystallized and ground AP (≥ 28 µm)
EC Regulation n°1272/2008 [CLP]:
Danger Hazards classes H271, H319, H373
Directive n° 67/548/EEC [DSD]:
R-phrases R9, R44, R36, R48/20/22



› Fine AP (< 28 µm)
EC Regulation n°1272/2008 [CLP]:
Hazards classes H201, H271, H319, H373
Directive n° 67/548/EEC [DSD]:
R-phrases R9, R44, R36, R48/20/22



Transport

› Classification 5.1 for particle sizes ≥ 28 µm › Classification 1.1 D for particle sizes < 28 µm

Hazards

› Fire or explosive risk if contaminated with fuels, organic material, powdered metals or reducing agent.

NOTE: Ammonium perchlorate is classified MTCR (Missile Technology Control Regime)

CONTACT

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