ANHYDROUS LIQUEFIED AMMONIA

NH3

Use

Anhydrous Liquefied Ammonia is primarily used as a nitrogen source in the production of fertilizers for soil enrichment and crop development. It is also widely employed in the chemical industry for the manufacture of explosives, plastics, synthetic fibers, and other nitrogen-based industrial compounds. Additionally, due to its high thermodynamic efficiency, anhydrous ammonia is commonly used as a refrigerant in large-scale industrial cooling systems.

Packaging

Available in bulk pressurized tanks, ISO tank containers, and cylinder storage systems designed to comply with international safety and transport regulations. Packaging ensures safe handling and controlled conditions to maintain product stability.

Characteristics

Physical characteristics		Chemical Characteristics	
Property	**Value**	**Component**	**Specification**
Appearance:	Colorless liquefied gas under pressure	Ammonia (NH_3)	≥ 99.5%
Odor	Strong, pungent characteristic odor	Water Content	≤ 0.5%
Boiling Point	−33.4 °C (−28 °F)	Oil Content	≤ 5 mg/kg (typical)
Density	~0.61 – 0.68 kg/L depending on pressure		
Solubility	Highly soluble in water		

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