



PETRONAS

AMMONIA

PETRONAS CHEMICALS GROUP BERHAD
CHEMISTRY FOR GROWTH





PCG Ammonia Plants

AMMONIA

Ammonia is a compound of nitrogen and hydrogen with the formula NH_3 . It is a colourless gas with a characteristic pungent smell. Ammonia is stored as a pressurised gas at -5 to $+5$ °C, or in liquid form at -33 °C.

PETRONAS CHEMICALS AMMONIA SDN. BHD. (PCASB)
• Kertih, Terengganu
• 450 KMTPA Ammonia

PETRONAS CHEMICALS FERTILISER SABAH SDN. BHD. (PCFSSB)
• Sipitang, Sabah
• 770 KMTPA Ammonia (1,270 KMTPA Urea)

PETRONAS CHEMICALS FERTILISER (KEDAH) SDN. BHD. (PCFK)
• Gurun, Kedah
• 400 KMTPA Ammonia (696 KMTPA Urea)

ASEAN BINTULU FERTILIZER SDN. BHD. (ABF)
• Bintulu, Sarawak
• 450 KMTPA Ammonia (750 KMTPA Urea)

Ammonia Product Applications

FEEDSTOCK	PRODUCT	APPLICATIONS	INDUSTRY
Natural Gas Methane (C1)	Ammonia	<ul style="list-style-type: none"> Direct Application Fertiliser, Urea, DAP, MAP, AMSUL, UAN Fibres and Resins; Caprolactam, Arylonitrile and Ammonium compounds 	<ul style="list-style-type: none"> Agriculture Industrial

Ammonia Product specifications

PROPERTIES	UNIT	INTERNATIONAL SPECIFICATIONS
Anhydrous Ammonia	wt%*	99.5 Min
Moisture	wt%*	0.5 Max
Oil	ppm	10 Max

*Concentration