

Technical Data Sheet

Ammonia
NH₃

Ammonia has a low boiling point and is favored because it is a highly energy efficient refrigerant which also has minimal environmental impact. Ammonia or azane is a compound of nitrogen and hydrogen with the formula NH₃. The simplest pnictogen hydride, ammonia is a colorless gas with a characteristic pungent smell. It contributes significantly to the nutritional needs of terrestrial organisms by serving as a precursor to food and fertilizers. Ammonia, either directly or indirectly, is also a building block for the synthesis of many pharmaceutical products and is used in many commercial cleaning products.

Application:

Most of the uses of ammonia are in the production of chemical fertilizers, which includes more than half of the world production of ammonia, and the rest is used in other industrial sectors, explosives production, technology, drilling and gas transmission.

Properties	Value	Units	Test Method
Purity	99.7	wt. %	
Oil Content	5max	ppm	ISO 7106
Moisture	0.35max	wt. %	ISO 7105