

# Introduction to Ammonia Production

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Ammonia is critical to the food and chemical industries, and is one of the most important chemical products. This article explores the ammonia production and recovery and processing technology.

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**M**ost ammonia production is done in the United States, with the rest of the world following. The ammonia production process is a complex one, involving a number of steps. The first step is the reaction of nitrogen and hydrogen to form ammonia. This reaction is exothermic, meaning it releases heat. The heat is used to pre-heat the feed gases, which are then cooled and condensed. The ammonia is then separated from the water and other impurities. The ammonia is then used in a variety of applications, including fertilizers, explosives, and industrial chemicals.

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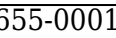
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