

Global Refrigerant Grade High Purity Ammonia Nh3 Market Research Report 2026(Status and Outlook)

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Abstracts

Ammonia (R717) is a single component non-ozone depleting refrigerant with zero global warming potential. It has been used as a refrigerant for over 100 years and has a good safety record despite its acute toxicity. It is generally used in large industrial applications such as food processing and storage, and is compatible with conventional lubricants but is highly corrosive to copper, therefore it should only be used in systems designed specifically for Ammonia.

The global Refrigerant Grade High Purity Ammonia Nh3 market size was estimated at USD 350.42 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 4.85% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Refrigerant Grade High Purity Ammonia Nh3 market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Refrigerant Grade High Purity Ammonia Nh3 market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a

nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Refrigerant Grade High Purity Ammonia Nh3 market.

Global Refrigerant Grade High Purity Ammonia Nh3 Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Yara
CF Industries
Nutrien
TogliattiAzot
Koch Fertilizer
OCI Nitrogen
Acron
SAFCO
QAFCO
Group DF

Market Segmentation (by Type)

Purity > 99.5%
Purity > 99.9%
Other

Market Segmentation (by Application)

Industrial Refrigeration
Transport Refrigeration
Air Conditioning Chillers
Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Refrigerant Grade High Purity Ammonia Nh3 Market

Overview of the regional outlook of the Refrigerant Grade High Purity Ammonia Nh3 Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Refrigerant Grade High Purity Ammonia Nh3 Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future

development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Refrigerant Grade High Purity Ammonia NH_3 , their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and

restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Refrigerant Grade High Purity Ammonia Nh3
- 1.2 Key Market Segments
 - 1.2.1 Refrigerant Grade High Purity Ammonia Nh3 Segment by Type
 - 1.2.2 Refrigerant Grade High Purity Ammonia Nh3 Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Refrigerant Grade High Purity Ammonia Nh3 Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Refrigerant Grade High Purity Ammonia Nh3 Product Life Cycle
- 3.3 Global Refrigerant Grade High Purity Ammonia Nh3 Sales by Manufacturers (2020-2025)
- 3.4 Global Refrigerant Grade High Purity Ammonia Nh3 Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Refrigerant Grade High Purity Ammonia Nh3 Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Refrigerant Grade High Purity Ammonia Nh3 Average Price by Manufacturers (2020-2025)

- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Refrigerant Grade High Purity Ammonia Nh3 Market Competitive Situation and Trends
 - 3.8.1 Refrigerant Grade High Purity Ammonia Nh3 Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Refrigerant Grade High Purity Ammonia Nh3 Players
- Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 INDUSTRY CHAIN ANALYSIS

- 4.1 Refrigerant Grade High Purity Ammonia Nh3 Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Refrigerant Grade High Purity Ammonia Nh3 Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Refrigerant Grade High Purity Ammonia Nh3 Market
- 5.7 ESG Ratings of Leading Companies

6 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Type (2020-2025)
- 6.3 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Type (2020-2025)
- 6.4 Global Refrigerant Grade High Purity Ammonia Nh3 Price by Type (2020-2025)

7 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Sales by Application (2020-2025)
- 7.3 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD) by Application (2020-2025)
- 7.4 Global Refrigerant Grade High Purity Ammonia Nh3 Sales Growth Rate by Application (2020-2025)

8 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET SALES BY REGION

- 8.1 Global Refrigerant Grade High Purity Ammonia Nh3 Sales by Region
 - 8.1.1 Global Refrigerant Grade High Purity Ammonia Nh3 Sales by Region
 - 8.1.2 Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Region
- 8.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region
 - 8.2.1 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region
 - 8.2.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region
- 8.3 North America
 - 8.3.1 North America Refrigerant Grade High Purity Ammonia Nh3 Sales by Country
 - 8.3.2 North America Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Refrigerant Grade High Purity Ammonia Nh3 Sales by Country

8.4.2 Europe Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Sales by Region

8.5.2 Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Refrigerant Grade High Purity Ammonia Nh3 Sales by Country

8.6.2 South America Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Sales by Region

8.7.2 Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET PRODUCTION BY REGION

9.1 Global Production of Refrigerant Grade High Purity Ammonia Nh3 by Region(2020-2025)

9.2 Global Refrigerant Grade High Purity Ammonia Nh3 Revenue Market Share by Region (2020-2025)

9.3 Global Refrigerant Grade High Purity Ammonia Nh3 Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Refrigerant Grade High Purity Ammonia Nh3 Production

9.4.1 North America Refrigerant Grade High Purity Ammonia Nh3 Production Growth Rate (2020-2025)

9.4.2 North America Refrigerant Grade High Purity Ammonia Nh3 Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Refrigerant Grade High Purity Ammonia Nh3 Production

9.5.1 Europe Refrigerant Grade High Purity Ammonia Nh3 Production Growth Rate (2020-2025)

9.5.2 Europe Refrigerant Grade High Purity Ammonia Nh3 Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Refrigerant Grade High Purity Ammonia Nh3 Production (2020-2025)

9.6.1 Japan Refrigerant Grade High Purity Ammonia Nh3 Production Growth Rate (2020-2025)

9.6.2 Japan Refrigerant Grade High Purity Ammonia Nh3 Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Refrigerant Grade High Purity Ammonia Nh3 Production (2020-2025)

9.7.1 China Refrigerant Grade High Purity Ammonia Nh3 Production Growth Rate (2020-2025)

9.7.2 China Refrigerant Grade High Purity Ammonia Nh3 Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Yara

10.1.1 Yara Basic Information

10.1.2 Yara Refrigerant Grade High Purity Ammonia Nh3 Product Overview

10.1.3 Yara Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance

10.1.4 Yara Business Overview

10.1.5 Yara SWOT Analysis

10.1.6 Yara Recent Developments

10.2 CF Industries

10.2.1 CF Industries Basic Information

10.2.2 CF Industries Refrigerant Grade High Purity Ammonia Nh3 Product Overview

10.2.3 CF Industries Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance

- 10.2.4 CF Industries Business Overview
- 10.2.5 CF Industries SWOT Analysis
- 10.2.6 CF Industries Recent Developments
- 10.3 Nutrien
 - 10.3.1 Nutrien Basic Information
 - 10.3.2 Nutrien Refrigerant Grade High Purity Ammonia Nh3 Product Overview
 - 10.3.3 Nutrien Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance
 - 10.3.4 Nutrien Business Overview
 - 10.3.5 Nutrien SWOT Analysis
 - 10.3.6 Nutrien Recent Developments
- 10.4 TogliattiAzot
 - 10.4.1 TogliattiAzot Basic Information
 - 10.4.2 TogliattiAzot Refrigerant Grade High Purity Ammonia Nh3 Product Overview
 - 10.4.3 TogliattiAzot Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance
 - 10.4.4 TogliattiAzot Business Overview
 - 10.4.5 TogliattiAzot Recent Developments
- 10.5 Koch Fertilizer
 - 10.5.1 Koch Fertilizer Basic Information
 - 10.5.2 Koch Fertilizer Refrigerant Grade High Purity Ammonia Nh3 Product Overview
 - 10.5.3 Koch Fertilizer Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance
 - 10.5.4 Koch Fertilizer Business Overview
 - 10.5.5 Koch Fertilizer Recent Developments
- 10.6 OCI Nitrogen
 - 10.6.1 OCI Nitrogen Basic Information
 - 10.6.2 OCI Nitrogen Refrigerant Grade High Purity Ammonia Nh3 Product Overview
 - 10.6.3 OCI Nitrogen Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance
 - 10.6.4 OCI Nitrogen Business Overview
 - 10.6.5 OCI Nitrogen Recent Developments
- 10.7 Acron
 - 10.7.1 Acron Basic Information
 - 10.7.2 Acron Refrigerant Grade High Purity Ammonia Nh3 Product Overview
 - 10.7.3 Acron Refrigerant Grade High Purity Ammonia Nh3 Product Market Performance
 - 10.7.4 Acron Business Overview
 - 10.7.5 Acron Recent Developments

10.8 SAFCO

10.8.1 SAFCO Basic Information

10.8.2 SAFCO Refrigerant Grade High Purity Ammonia Nh3 Product Overview

10.8.3 SAFCO Refrigerant Grade High Purity Ammonia Nh3 Product Market

Performance

10.8.4 SAFCO Business Overview

10.8.5 SAFCO Recent Developments

10.9 QAFCO

10.9.1 QAFCO Basic Information

10.9.2 QAFCO Refrigerant Grade High Purity Ammonia Nh3 Product Overview

10.9.3 QAFCO Refrigerant Grade High Purity Ammonia Nh3 Product Market

Performance

10.9.4 QAFCO Business Overview

10.9.5 QAFCO Recent Developments

10.10 Group DF

10.10.1 Group DF Basic Information

10.10.2 Group DF Refrigerant Grade High Purity Ammonia Nh3 Product Overview

10.10.3 Group DF Refrigerant Grade High Purity Ammonia Nh3 Product Market

Performance

10.10.4 Group DF Business Overview

10.10.5 Group DF Recent Developments

11 REFRIGERANT GRADE HIGH PURITY AMMONIA NH3 MARKET FORECAST BY REGION

11.1 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast

11.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Country

11.2.3 Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Region

11.2.4 South America Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Refrigerant Grade High Purity Ammonia Nh3 by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Refrigerant Grade High Purity Ammonia Nh3 Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Refrigerant Grade High Purity Ammonia Nh3 by Type (2026-2035)

12.1.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Refrigerant Grade High Purity Ammonia Nh3 by Type (2026-2035)

12.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Forecast by Application (2026-2035)

12.2.1 Global Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) Forecast by Application

12.2.2 Global Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Type (M USD)

Table 4. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Application

Table 5. Refrigerant Grade High Purity Ammonia Nh3 Market Size Comparison by Region (M USD)

Table 6. Global Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) by Manufacturers (2020-2025)

Table 7. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Refrigerant Grade High Purity Ammonia Nh3 Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Refrigerant Grade High Purity Ammonia Nh3 Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Refrigerant Grade High Purity Ammonia Nh3 as of 2025)

Table 11. Global Market Refrigerant Grade High Purity Ammonia Nh3 Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Refrigerant Grade High Purity Ammonia Nh3 Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Refrigerant Grade High Purity Ammonia Nh3 Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Refrigerant Grade High Purity Ammonia Nh3 Sales by Type (K MT)

Table 27. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Type (M USD)

Table 28. Global Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) by Type (2020-2025)

Table 29. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Type (2020-2025)

Table 30. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD) by Type (2020-2025)

Table 31. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share by Type (2020-2025)

Table 32. Global Refrigerant Grade High Purity Ammonia Nh3 Price (USD/KG) by Type (2020-2025)

Table 33. Global Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) by Application

Table 34. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Application

Table 35. Global Refrigerant Grade High Purity Ammonia Nh3 Sales by Application (2020-2025) & (K MT)

Table 36. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Application (2020-2025)

Table 37. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Application (2020-2025) & (M USD)

Table 38. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share by Application (2020-2025)

Table 39. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Growth Rate by Application (2020-2025)

Table 40. Global Refrigerant Grade High Purity Ammonia Nh3 Sales by Region (2020-2025) & (K MT)

Table 41. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Region (2020-2025)

Table 42. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region (2020-2025) & (M USD)

Table 43. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region (2020-2025)

Table 44. North America Refrigerant Grade High Purity Ammonia Nh3 Sales by Country (2020-2025) & (K MT)

Table 45. North America Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Refrigerant Grade High Purity Ammonia Nh3 Sales by Country (2020-2025) & (K MT)

Table 47. Europe Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region (2020-2025) & (M USD)

Table 50. South America Refrigerant Grade High Purity Ammonia Nh3 Sales by Country (2020-2025) & (K MT)

Table 51. South America Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region (2020-2025) & (M USD)

Table 54. Global Refrigerant Grade High Purity Ammonia Nh3 Production (K MT) by Region(2020-2025)

Table 55. Global Refrigerant Grade High Purity Ammonia Nh3 Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Refrigerant Grade High Purity Ammonia Nh3 Revenue Market Share by Region (2020-2025)

Table 57. Global Refrigerant Grade High Purity Ammonia Nh3 Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America Refrigerant Grade High Purity Ammonia Nh3 Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe Refrigerant Grade High Purity Ammonia Nh3 Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan Refrigerant Grade High Purity Ammonia Nh3 Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China Refrigerant Grade High Purity Ammonia Nh3 Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. Yara Basic Information

Table 63. Yara Refrigerant Grade High Purity Ammonia Nh3 Product Overview

Table 64. Yara Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. Yara Business Overview

Table 66. Yara SWOT Analysis

Table 67. Yara Recent Developments

Table 68. CF Industries Basic Information
Table 69. CF Industries Refrigerant Grade High Purity Ammonia Nh3 Product Overview
Table 70. CF Industries Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 71. CF Industries Business Overview
Table 72. CF Industries SWOT Analysis
Table 73. CF Industries Recent Developments
Table 74. Nutrien Basic Information
Table 75. Nutrien Refrigerant Grade High Purity Ammonia Nh3 Product Overview
Table 76. Nutrien Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 77. Nutrien Business Overview
Table 78. Nutrien SWOT Analysis
Table 79. Nutrien Recent Developments
Table 80. TogliattiAzot Basic Information
Table 81. TogliattiAzot Refrigerant Grade High Purity Ammonia Nh3 Product Overview
Table 82. TogliattiAzot Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 83. TogliattiAzot Business Overview
Table 84. TogliattiAzot Recent Developments
Table 85. Koch Fertilizer Basic Information
Table 86. Koch Fertilizer Refrigerant Grade High Purity Ammonia Nh3 Product Overview
Table 87. Koch Fertilizer Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 88. Koch Fertilizer Business Overview
Table 89. Koch Fertilizer Recent Developments
Table 90. OCI Nitrogen Basic Information
Table 91. OCI Nitrogen Refrigerant Grade High Purity Ammonia Nh3 Product Overview
Table 92. OCI Nitrogen Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 93. OCI Nitrogen Business Overview
Table 94. OCI Nitrogen Recent Developments
Table 95. Acron Basic Information
Table 96. Acron Refrigerant Grade High Purity Ammonia Nh3 Product Overview
Table 97. Acron Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 98. Acron Business Overview
Table 99. Acron Recent Developments

Table 100. SAFCO Basic Information

Table 101. SAFCO Refrigerant Grade High Purity Ammonia Nh3 Product Overview

Table 102. SAFCO Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 103. SAFCO Business Overview

Table 104. SAFCO Recent Developments

Table 105. QAFCO Basic Information

Table 106. QAFCO Refrigerant Grade High Purity Ammonia Nh3 Product Overview

Table 107. QAFCO Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 108. QAFCO Business Overview

Table 109. QAFCO Recent Developments

Table 110. Group DF Basic Information

Table 111. Group DF Refrigerant Grade High Purity Ammonia Nh3 Product Overview

Table 112. Group DF Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 113. Group DF Business Overview

Table 114. Group DF Recent Developments

Table 115. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by Region (2026-2035) & (K MT)

Table 116. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Region (2026-2035) & (M USD)

Table 117. North America Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by Country (2026-2035) & (K MT)

Table 118. North America Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Country (2026-2035) & (M USD)

Table 119. Europe Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by Country (2026-2035) & (K MT)

Table 120. Europe Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Country (2026-2035) & (M USD)

Table 121. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by Region (2026-2035) & (K MT)

Table 122. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Region (2026-2035) & (M USD)

Table 123. South America Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by Country (2026-2035) & (K MT)

Table 124. South America Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Country (2026-2035) & (M USD)

Table 125. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Sales

Forecast by Country (2026-2035) & (Units)

Table 126. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Country (2026-2035) & (M USD)

Table 127. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by Type (2026-2035) & (K MT)

Table 128. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Type (2026-2035) & (M USD)

Table 129. Global Refrigerant Grade High Purity Ammonia Nh3 Price Forecast by Type (2026-2035) & (USD/KG)

Table 130. Global Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) Forecast by Application (2026-2035)

Table 131. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Refrigerant Grade High Purity Ammonia Nh3

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD), 2025-2035

Figure 5. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD) (2020-2035)

Figure 6. Global Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) & (2020-2035)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Refrigerant Grade High Purity Ammonia Nh3 Product Life Cycle

Figure 13. Refrigerant Grade High Purity Ammonia Nh3 Sales Share by Manufacturers in 2025

Figure 14. Global Refrigerant Grade High Purity Ammonia Nh3 Revenue Share by Manufacturers in 2025

Figure 15. Refrigerant Grade High Purity Ammonia Nh3 Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025

Figure 16. Global Market Refrigerant Grade High Purity Ammonia Nh3 Average Price (USD/KG) of Key Manufacturers in 2025

Figure 17. The Global 5 and 10 Largest Players: Market Share by Refrigerant Grade High Purity Ammonia Nh3 Revenue in 2025

Figure 18. Industry Chain Map of Refrigerant Grade High Purity Ammonia Nh3

Figure 19. Global Refrigerant Grade High Purity Ammonia Nh3 Market PEST Analysis

Figure 20. Global Refrigerant Grade High Purity Ammonia Nh3 Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share by Type

Figure 27. Sales Market Share of Refrigerant Grade High Purity Ammonia Nh3 by Type (2020-2025)

Figure 28. Sales Market Share of Refrigerant Grade High Purity Ammonia Nh3 by Type in 2025

Figure 29. Market Share of Refrigerant Grade High Purity Ammonia Nh3 by Type (2020-2025)

Figure 30. Market Share of Refrigerant Grade High Purity Ammonia Nh3 by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share by Application

Figure 33. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Application (2020-2025)

Figure 34. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Application in 2025

Figure 35. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share by Application (2020-2025)

Figure 36. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share by Application in 2025

Figure 37. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Growth Rate by Application (2020-2025)

Figure 38. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Region (2020-2025)

Figure 39. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region (2020-2025)

Figure 40. North America Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Country in 2024

Figure 43. North America Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country in 2024

Figure 45. U.S. Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth

Rate (2020-2025) & (M USD)

Figure 47. Canada Refrigerant Grade High Purity Ammonia Nh3 Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Refrigerant Grade High Purity Ammonia Nh3 Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Refrigerant Grade High Purity Ammonia Nh3 Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Refrigerant Grade High Purity Ammonia Nh3 Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Country in 2024

Figure 53. Europe Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country in 2024

Figure 55. Germany Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Region in 2024

Figure 67. Asia Pacific Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region in 2024

Figure 68. China Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (K MT)

Figure 79. South America Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Country in 2024

Figure 80. South America Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (M USD)

Figure 81. South America Refrigerant Grade High Purity Ammonia Nh3 Market Size by Country in 2024

Figure 82. Brazil Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Refrigerant Grade High Purity Ammonia Nh3 Market Size and

Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Refrigerant Grade High Purity Ammonia Nh3 Market Size by Region in 2024

Figure 92. Saudi Arabia Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Refrigerant Grade High Purity Ammonia Nh3 Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Refrigerant Grade High Purity Ammonia Nh3 Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Refrigerant Grade High Purity Ammonia Nh3 Production Market Share by Region (2020-2025)

Figure 103. North America Refrigerant Grade High Purity Ammonia Nh3 Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Refrigerant Grade High Purity Ammonia Nh3 Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Refrigerant Grade High Purity Ammonia Nh3 Production (K MT)
Growth Rate (2020-2025)

Figure 106. China Refrigerant Grade High Purity Ammonia Nh3 Production (K MT)
Growth Rate (2020-2025)

Figure 107. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by
Volume (2020-2035) & (K MT)

Figure 108. Global Refrigerant Grade High Purity Ammonia Nh3 Market Size Forecast
by Value (2020-2035) & (M USD)

Figure 109. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Market Share
Forecast by Type (2026-2035)

Figure 110. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share Forecast
by Type (2026-2035)

Figure 111. Global Refrigerant Grade High Purity Ammonia Nh3 Sales Forecast by
Application (2026-2035)

Figure 112. Global Refrigerant Grade High Purity Ammonia Nh3 Market Share Forecast
by Application (2026-2035)

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