

Heavy Water Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

<https://marketpublishers.com/r/H74FB829C886EN.html>

Date: March 2025

Pages: 73

Price: US\$ 3,200.00 (Single User License)

ID: H74FB829C886EN

Abstracts

Heavy Water Market Summary

Introduction

Heavy water (deuterium oxide, D₂O) is a specialized isotope of water used in applications like deuterated NMR solvents, semiconductors, OLEDs, and pharmaceuticals. Its unique nuclear properties make it essential in scientific and industrial processes. The market operates within the specialty chemicals sector, driven by niche demand, high purity requirements, and limited production capacity. Challenges include high costs and restricted supply, with innovations focusing on efficient production methods.

Market Size and Growth Forecast

The global heavy water market is estimated at USD 60 million to USD 80 million in 2025, with a CAGR of 3.0% to 4.5% from 2025 to 2030, reaching USD 70 million to USD 95 million by 2030.

Regional Analysis

North America holds 35-40%, growing at 3.0-4.0%. The U.S. and Canada lead with research and semiconductor demand, trending toward OLED use. Asia Pacific has 30-35%, growing at 4.5-6.0%. China and India expand with industrial growth, trending toward pharmaceuticals. Europe accounts for 20-25%, growing at 3.0-4.0%. Germany focuses on NMR solvents, with trends in sustainability. The Rest of the World holds 5-10%, growing at 4.0-5.0%, with Brazil emerging in research.

Application Analysis

Deuterated NMR solvents represent 40-45%, growing at 3.0-4.0%, driven by research,

with trends in precision analysis. Semiconductor industry accounts for 20-25%, growing at 4.0-5.0%, with advanced manufacturing trends. OLED industry holds 15-20%, growing at 5.0-6.0%, with display tech trends. Pharmaceuticals represent 10-15%, growing at 4.5-5.5%, with drug development trends. Others grow variably.

Key Market Players

Isowater: Supplies high-purity heavy water.

Cambridge Isotope Laboratories: Focuses on isotopic solutions.

Mesbah Energy: Targets regional markets.

Heavy Water Board (HWB): Leads in India's supply.

Porter's Five Forces Analysis

Threat of New Entrants: Low. High production barriers limit entry.

Threat of Substitutes: Low. Few alternatives exist.

Bargaining Power of Buyers: Medium. Niche buyers have limited options.

Bargaining Power of Suppliers: High. Few producers control supply.

Competitive Rivalry: Medium. Limited players compete on quality.

Market Opportunities and Challenges

Opportunities

Research growth: NMR and pharma demand rise.

Tech advancements: OLED and semiconductor use expands.

Challenges

Supply limits: Production constraints restrict scale.

High costs: Limit affordability.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

- 3.1 Research Scope
- 3.2 Research Sources
 - 3.2.1 Data Sources
 - 3.2.2 Assumptions
- 3.3 Research Method

CHAPTER 4 MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 Classification/Types
- 4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

- 5.1 Introduction
- 5.2 Drivers
- 5.3 Restraints
- 5.4 Opportunities
- 5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

- 6.1 Upstream/Suppliers Analysis
- 6.2 Heavy Water Analysis
 - 6.2.1 Technology Analysis
 - 6.2.2 Cost Analysis
 - 6.2.3 Market Channel Analysis
- 6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

- 7.1 Latest News
- 7.2 Merger and Acquisition
- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 TRADING ANALYSIS

- 8.1 Export of Heavy Water by Region
- 8.2 Import of Heavy Water by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST HEAVY WATER MARKET IN NORTH AMERICA (2020-2030)

- 9.1 Heavy Water Market Size
- 9.2 Heavy Water Demand by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Type Segmentation and Price
- 9.5 Key Countries Analysis
 - 9.5.1 United States
 - 9.5.2 Canada
 - 9.5.3 Mexico

CHAPTER 10 HISTORICAL AND FORECAST HEAVY WATER MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 Heavy Water Market Size
- 10.2 Heavy Water Demand by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Type Segmentation and Price
- 10.5 Key Countries Analysis
 - 10.5.1 Brazil
 - 10.5.2 Argentina
 - 10.5.3 Chile
 - 10.5.4 Peru

CHAPTER 11 HISTORICAL AND FORECAST HEAVY WATER MARKET IN ASIA & PACIFIC (2020-2030)

- 11.1 Heavy Water Market Size
- 11.2 Heavy Water Demand by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Type Segmentation and Price
- 11.5 Key Countries Analysis
 - 11.5.1 China
 - 11.5.2 India
 - 11.5.3 Japan
 - 11.5.4 South Korea
 - 11.5.5 Southeast Asia
 - 11.5.6 Australia

CHAPTER 12 HISTORICAL AND FORECAST HEAVY WATER MARKET IN EUROPE (2020-2030)

- 12.1 Heavy Water Market Size
- 12.2 Heavy Water Demand by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Type Segmentation and Price
- 12.5 Key Countries Analysis
 - 12.5.1 Germany
 - 12.5.2 France
 - 12.5.3 United Kingdom
 - 12.5.4 Italy
 - 12.5.5 Spain
 - 12.5.6 Belgium
 - 12.5.7 Netherlands
 - 12.5.8 Austria
 - 12.5.9 Poland
 - 12.5.10 Russia

CHAPTER 13 HISTORICAL AND FORECAST HEAVY WATER MARKET IN MEA (2020-2030)

- 13.1 Heavy Water Market Size
- 13.2 Heavy Water Demand by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Type Segmentation and Price
- 13.5 Key Countries Analysis

- 13.5.1 Egypt
- 13.5.2 Israel
- 13.5.3 South Africa
- 13.5.4 Gulf Cooperation Council Countries
- 13.5.5 Turkey

CHAPTER 14 SUMMARY FOR GLOBAL HEAVY WATER MARKET (2020-2025)

- 14.1 Heavy Water Market Size
- 14.2 Heavy Water Demand by End Use
- 14.3 Competition by Players/Suppliers
- 14.4 Type Segmentation and Price

CHAPTER 15 GLOBAL HEAVY WATER MARKET FORECAST (2025-2030)

- 15.1 Heavy Water Market Size Forecast
- 15.2 Heavy Water Demand Forecast
- 15.3 Competition by Players/Suppliers
- 15.4 Type Segmentation and Price Forecast

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 Isowater
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and Heavy Water Information
 - 16.1.3 SWOT Analysis of Isowater
 - 16.1.4 Isowater Heavy Water Sales, Revenue, Price and Gross Margin (2020-2025)
 - 16.2 Cambridge Isotope Laboratories
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and Heavy Water Information
 - 16.2.3 SWOT Analysis of Cambridge Isotope Laboratories
 - 16.2.4 Cambridge Isotope Laboratories Heavy Water Sales, Revenue, Price and Gross Margin (2020-2025)
- Please ask for sample pages for full companies list
- Tables and Figures
- Table Abbreviation and Acronyms List
- Table Research Scope of Heavy Water Report
- Table Data Sources of Heavy Water Report
- Table Major Assumptions of Heavy Water Report

Figure Market Size Estimated Method
Figure Major Forecasting Factors
Figure Heavy Water Picture
Table Heavy Water Classification
Table Heavy Water Applications List
Table Drivers of Heavy Water Market
Table Restraints of Heavy Water Market
Table Opportunities of Heavy Water Market
Table Threats of Heavy Water Market
Table Raw Materials Suppliers List
Table Different Production Methods of Heavy Water
Table Cost Structure Analysis of Heavy Water
Table Key End Users List
Table Latest News of Heavy Water Market
Table Merger and Acquisition List
Table Planned/Future Project of Heavy Water Market
Table Policy of Heavy Water Market
Table 2020-2030 Regional Export of Heavy Water
Table 2020-2030 Regional Import of Heavy Water
Table 2020-2030 Regional Trade Balance
Figure 2020-2030 Regional Trade Balance
Table 2020-2030 North America Heavy Water Market Size and Market Volume List
Figure 2020-2030 North America Heavy Water Market Size and CAGR
Figure 2020-2030 North America Heavy Water Market Volume and CAGR
Table 2020-2030 North America Heavy Water Demand List by Application
Table 2020-2025 North America Heavy Water Key Players Sales List
Table 2020-2025 North America Heavy Water Key Players Market Share List
Table 2020-2030 North America Heavy Water Demand List by Type
Table 2020-2025 North America Heavy Water Price List by Type
Table 2020-2030 United States Heavy Water Market Size and Market Volume List
Table 2020-2030 United States Heavy Water Import & Export List
Table 2020-2030 Canada Heavy Water Market Size and Market Volume List
Table 2020-2030 Canada Heavy Water Import & Export List
Table 2020-2030 Mexico Heavy Water Market Size and Market Volume List
Table 2020-2030 Mexico Heavy Water Import & Export List
Table 2020-2030 South America Heavy Water Market Size and Market Volume List
Figure 2020-2030 South America Heavy Water Market Size and CAGR
Figure 2020-2030 South America Heavy Water Market Volume and CAGR
Table 2020-2030 South America Heavy Water Demand List by Application

Table 2020-2025 South America Heavy Water Key Players Sales List
Table 2020-2025 South America Heavy Water Key Players Market Share List
Table 2020-2030 South America Heavy Water Demand List by Type
Table 2020-2025 South America Heavy Water Price List by Type
Table 2020-2030 Brazil Heavy Water Market Size and Market Volume List
Table 2020-2030 Brazil Heavy Water Import & Export List
Table 2020-2030 Argentina Heavy Water Market Size and Market Volume List
Table 2020-2030 Argentina Heavy Water Import & Export List
Table 2020-2030 Chile Heavy Water Market Size and Market Volume List
Table 2020-2030 Chile Heavy Water Import & Export List
Table 2020-2030 Peru Heavy Water Market Size and Market Volume List
Table 2020-2030 Peru Heavy Water Import & Export List
Table 2020-2030 Asia & Pacific Heavy Water Market Size and Market Volume List
Figure 2020-2030 Asia & Pacific Heavy Water Market Size and CAGR
Figure 2020-2030 Asia & Pacific Heavy Water Market Volume and CAGR
Table 2020-2030 Asia & Pacific Heavy Water Demand List by Application
Table 2020-2025 Asia & Pacific Heavy Water Key Players Sales List
Table 2020-2025 Asia & Pacific Heavy Water Key Players Market Share List
Table 2020-2030 Asia & Pacific Heavy Water Demand List by Type
Table 2020-2025 Asia & Pacific Heavy Water Price List by Type
Table 2020-2030 China Heavy Water Market Size and Market Volume List
Table 2020-2030 China Heavy Water Import & Export List
Table 2020-2030 India Heavy Water Market Size and Market Volume List
Table 2020-2030 India Heavy Water Import & Export List
Table 2020-2030 Japan Heavy Water Market Size and Market Volume List
Table 2020-2030 Japan Heavy Water Import & Export List
Table 2020-2030 South Korea Heavy Water Market Size and Market Volume List
Table 2020-2030 South Korea Heavy Water Import & Export List
Table 2020-2030 Southeast Asia Heavy Water Market Size List
Table 2020-2030 Southeast Asia Heavy Water Market Volume List
Table 2020-2030 Southeast Asia Heavy Water Import List
Table 2020-2030 Southeast Asia Heavy Water Export List
Table 2020-2030 Australia Heavy Water Market Size and Market Volume List
Table 2020-2030 Australia Heavy Water Import & Export List
Table 2020-2030 Europe Heavy Water Market Size and Market Volume List
Figure 2020-2030 Europe Heavy Water Market Size and CAGR
Figure 2020-2030 Europe Heavy Water Market Volume and CAGR
Table 2020-2030 Europe Heavy Water Demand List by Application
Table 2020-2025 Europe Heavy Water Key Players Sales List

Table 2020-2025 Europe Heavy Water Key Players Market Share List
Table 2020-2030 Europe Heavy Water Demand List by Type
Table 2020-2025 Europe Heavy Water Price List by Type
Table 2020-2030 Germany Heavy Water Market Size and Market Volume List
Table 2020-2030 Germany Heavy Water Import & Export List
Table 2020-2030 France Heavy Water Market Size and Market Volume List
Table 2020-2030 France Heavy Water Import & Export List
Table 2020-2030 United Kingdom Heavy Water Market Size and Market Volume List
Table 2020-2030 United Kingdom Heavy Water Import & Export List
Table 2020-2030 Italy Heavy Water Market Size and Market Volume List
Table 2020-2030 Italy Heavy Water Import & Export List
Table 2020-2030 Spain Heavy Water Market Size and Market Volume List
Table 2020-2030 Spain Heavy Water Import & Export List
Table 2020-2030 Belgium Heavy Water Market Size and Market Volume List
Table 2020-2030 Belgium Heavy Water Import & Export List
Table 2020-2030 Netherlands Heavy Water Market Size and Market Volume List
Table 2020-2030 Netherlands Heavy Water Import & Export List
Table 2020-2030 Austria Heavy Water Market Size and Market Volume List
Table 2020-2030 Austria Heavy Water Import & Export List
Table 2020-2030 Poland Heavy Water Market Size and Market Volume List
Table 2020-2030 Poland Heavy Water Import & Export List
Table 2020-2030 Russia Heavy Water Market Size and Market Volume List
Table 2020-2030 Russia Heavy Water Import & Export List
Table 2020-2030 MEA Heavy Water Market Size and Market Volume List
Figure 2020-2030 MEA Heavy Water Market Size and CAGR
Figure 2020-2030 MEA Heavy Water Market Volume and CAGR
Table 2020-2030 MEA Heavy Water Demand List by Application
Table 2020-2025 MEA Heavy Water Key Players Sales List
Table 2020-2025 MEA Heavy Water Key Players Market Share List
Table 2020-2030 MEA Heavy Water Demand List by Type
Table 2020-2025 MEA Heavy Water Price List by Type
Table 2020-2030 Egypt Heavy Water Market Size and Market Volume List
Table 2020-2030 Egypt Heavy Water Import & Export List
Table 2020-2030 Israel Heavy Water Market Size and Market Volume List
Table 2020-2030 Israel Heavy Water Import & Export List
Table 2020-2030 South Africa Heavy Water Market Size and Market Volume List
Table 2020-2030 South Africa Heavy Water Import & Export List
Table 2020-2030 Gulf Cooperation Council Countries Heavy Water Market Size and Market Volume List

Table 2020-2030 Gulf Cooperation Council Countries Heavy Water Import & Export List
Table 2020-2030 Turkey Heavy Water Market Size and Market Volume List
Table 2020-2030 Turkey Heavy Water Import & Export List
Table 2020-2025 Global Heavy Water Market Size List by Region
Table 2020-2025 Global Heavy Water Market Size Share List by Region
Table 2020-2025 Global Heavy Water Market Volume List by Region
Table 2020-2025 Global Heavy Water Market Volume Share List by Region
Table 2020-2025 Global Heavy Water Demand List by Application
Table 2020-2025 Global Heavy Water Demand Market Share List by Application
Table 2020-2025 Global Heavy Water Capacity List
Table 2020-2025 Global Heavy Water Key Vendors Capacity Share List
Table 2020-2025 Global Heavy Water Key Vendors Production List
Table 2020-2025 Global Heavy Water Key Vendors Production Share List
Figure 2020-2025 Global Heavy Water Capacity Production and Growth Rate
Table 2020-2025 Global Heavy Water Key Vendors Production Value List
Figure 2020-2025 Global Heavy Water Production Value and Growth Rate
Table 2020-2025 Global Heavy Water Key Vendors Production Value Share List
Table 2020-2025 Global Heavy Water Demand List by Type
Table 2020-2025 Global Heavy Water Demand Market Share List by Type
Table 2020-2025 Regional Heavy Water Price List
Table 2025-2030 Global Heavy Water Market Size List by Region
Table 2025-2030 Global Heavy Water Market Size Share List by Region
Table 2025-2030 Global Heavy Water Market Volume List by Region
Table 2025-2030 Global Heavy Water Market Volume Share List by Region
Table 2025-2030 Global Heavy Water Demand List by Application
Table 2025-2030 Global Heavy Water Demand Market Share List by Application
Table 2025-2030 Global Heavy Water Capacity List
Table 2025-2030 Global Heavy Water Key Vendors Capacity Share List
Table 2025-2030 Global Heavy Water Key Vendors Production List
Table 2025-2030 Global Heavy Water Key Vendors Production Share List
Figure 2025-2030 Global Heavy Water Capacity Production and Growth Rate
Table 2025-2030 Global Heavy Water Key Vendors Production Value List
Figure 2025-2030 Global Heavy Water Production Value and Growth Rate
Table 2025-2030 Global Heavy Water Key Vendors Production Value Share List
Table 2025-2030 Global Heavy Water Demand List by Type
Table 2025-2030 Global Heavy Water Demand Market Share List by Type
Table 2025-2030 Heavy Water Regional Price List
Table Isowater Information
Table SWOT Analysis of Isowater

Table 2020-2025 Isowater Heavy Water Product Capacity Production Price Cost
Production Value

Figure 2020-2025 Isowater Heavy Water Capacity Production and Growth Rate

Figure 2020-2025 Isowater Heavy Water Market Share

Table Cambridge Isotope Laboratories Information

Table SWOT Analysis of Cambridge Isotope Laboratories

Table 2020-2025 Cambridge Isotope Laboratories Heavy Water Product Capacity
Production Price Cost Production Value

Figure 2020-2025 Cambridge Isotope Laboratories Heavy Water Capacity Production
and Growth Rate

Figure 2020-2025 Cambridge Isotope Laboratories Heavy Water Market Share

Table Mesbah Energy Information

Table SWOT Analysis of Mesbah Energy

Table 2020-2025 Mesbah Energy Heavy Water Product Capacity Production Price Cost
Production Value

Figure 2020-2025 Mesbah Energy Heavy Water Capacity Production and Growth Rate

Figure 2020-2025 Mesbah Energy Heavy Water Market Share

Table Heavy Water Board (HWB) Information

Table SWOT Analysis of Heavy Water Board (HWB)

Table 2020-2025 Heavy Water Board (HWB) Heavy Water Product Capacity Production
Price Cost Production Value

Figure 2020-2025 Heavy Water Board (HWB) Heavy Water Capacity Production and
Growth Rate

Figure 2020-2025 Heavy Water Board (HWB) Heavy Water Market Share

.....

I would like to order

Product name: Heavy Water Global Market Insights 2025, Analysis and Forecast to 2030, by
Manufacturers, Regions, Technology, Application

Product link: <https://marketpublishers.com/r/H74FB829C886EN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer
Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click
button on product page <https://marketpublishers.com/r/H74FB829C886EN.html>