

Iodine - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

<https://marketpublishers.com/r/I71A752E8A2DEN.html>

Date: July 2024

Pages: 120

Price: US\$ 4,750.00 (Single User License)

ID: I71A752E8A2DEN

Abstracts

The Iodine Market size is estimated at 40.64 kilotons in 2024, and is expected to reach 53.06 kilotons by 2029, growing at a CAGR of 5.48% during the forecast period (2024-2029).

Key Highlights

In the short term, the increasing demand for X-ray contrast media and increasing requirements for iodine uptake with growing iodine deficiency among people are expected to drive the demand for iodine.

However, the toxicity of iodine and health-related issues due to excessive consumption pose major restraints to the studied market growth.

On the other hand, the rising demand for biocides and the growing demand for recycling iodine are likely to create lucrative market opportunities in the coming years.

Europe emerged as the largest market for iodine, while Asia-Pacific is expected to witness the highest CAGR between 2024 and 2029.

Iodine Market Trends

The Medical Segment is Expected to Dominate the Market

Iodine is a crucial element in the medical industry, with many applications in diagnosis and treatment. Its most common use is in producing antiseptics and disinfectants, where iodine's ability to kill bacteria, viruses, and fungi makes it an effective tool for

preventing infections.

In addition, iodine is used to produce radiocontrast materials, which are used in medical imaging procedures such as CT scans, X-rays, and angiograms. These materials contain iodine atoms, which absorb X-rays and make the internal structures of the body visible in the resulting images.

The demand for iodine has been increasing over the rising need for X-ray contrast media because of its high atomic number, low toxicity, and ease of adjunction with organic compounds.

Iodine is a simple, effective, and cost-efficient means of water disinfection for people who travel or work in areas where municipal water treatment is unreliable. In terms of the disinfection of drinking water, iodine is commonly used in the form of tablets or solutions during emergencies and by travelers. As the number of travelers has increased in recent years, the demand for iodine as a disinfectant has also been increasing.

In January 2024, according to the University of Maryland School of Medicine, a large multicenter clinical trial co-led by the University of Maryland School of Medicine researchers found that an antiseptic containing iodine (iodine povacrylex in alcohol) resulted in about one-quarter fewer post-surgical infections in patients with limb fractures compared to another frequently used skin antiseptic.

In January 2024, China National Nuclear Corporation (CNNC) started the construction of a powerful solution-type medical isotope test reactor. This initiative will produce Iodine-131 and Iodine-125, among other medical isotopes. Medical isotopes are typical radioactive isotopes that are used for medical purposes. For example, Iodine-131 is used for radiotherapy or imaging. It can also be used to destroy dysfunctional thyroid tissues and many other medical applications. According to CNNC, after completing the medical isotope reactor, which is estimated to be completed by 2027, it will attain an annual production capacity of 20,000 curies of Iodine-131, surpassing the current domestic demand.

According to AstraZeneca, the projected pharmaceutical sales in 2024 are expected to be USD 633 billion for North America, holding the major share, followed by the European Union (excluding the United Kingdom) with USD 287 billion at the second position, followed by Southeast and East Asia and expected to register USD 232 billion. Also, the total spending on medicines in 2020 was USD 1,265.2 billion, which is

expected to generate a revenue of USD 1,595 billion in 2025.

Hence, owing to the above-mentioned factors, the medical end-user industry is expected to dominate the market for iodine from 2024 to 2029.

Europe is Expected to Dominate the Market

Europe is expected to dominate the iodine market between 2024 and 2029. Countries like Germany, the United Kingdom, and Italy are seeing rising demand for iodine in animal feed, medical, and biocide applications.

According to the German Animal Feed Association (DVT), at 21.7 million metric tons (mmt), feed production in Germany in the 2023 calendar year was around 360,000 metric tons (mt), or 1.6% less than in the previous 12 months. The DVT President announced that the year-on-year contraction represents a partial easing in the long-term contraction in the German feed sector. The decline in total national feed output is attributed mainly to reduced sales of pig feeds. This segment's production was down approximately 500,000 mt or 5.8% to 8 mmt for 2023.

Moreover, Germany has the highest wastewater reprocessing and recycling rate in Europe. More than 96% of the wastewater from private households or public facilities is discharged into nearby sewage treatment plants for processing. With the country's increasing sewage water volume, these plants are expected to exploit a larger volume of iodine-based biocides between 2024 and 2029.

The medical industry is the largest consumer of iodine. According to data from the Association of the British Pharmaceutical Industry released in December 2023, businesses in the UK life sciences industry generated EUR 108.1 billion (USD 115.4 billion) in turnover in 2022, a 13% increase from the EUR 95.9 billion (USD 102.37 billion) turnover in 2021. Turnover has seen an upward trend since 2013 but increased sharply between 2021 and 2022. The sector that generated the highest turnover was the biopharmaceutical core sector, accounting for 43% of the total turnover generated across the life sciences industry. This was followed by the biopharmaceutical service and supply and medical technology core sectors, each accounting for 25% of turnover in 2022. Such trends affect the consumption of iodine.

The Italian pharmaceutical industry represents a vast and reliable manufacturing base

with a dedicated workforce of around 67,000 people. It is technologically advanced and has a strong leadership position in Europe and beyond.

According to the data from the Farindustria-Prometeia 2023 survey, the Italian pharmaceutical industry is the driving force of the country's economy. In 2023, the industry value reached EUR 50 billion (USD 55.3 billion). The Italian pharmaceutical production plays a vital role in Europe's pharmaceutical industry. The sector's output increased by 7.3% in 2023 compared to 2022, according to the Farindustria-Prometeia 2023 survey.

Owing to the factors mentioned above, the market for iodine in Europe is projected to grow significantly between 2024 and 2029.

Iodine Industry Overview

The iodine market is partially consolidated in nature. Some of the major players in the market (not in any particular order) are SQM SA, ISE CHEMICALS CORPORATION, Cosayach, Iochem Corporation, and Algorta Norte.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

Contents

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Drivers
 - 4.1.1 Increasing Demand in X-ray Contrast Media
 - 4.1.2 Growing Iodine Deficiency Among People
- 4.2 Restraints
 - 4.2.1 Toxicity of Iodine and Health-related Issues
- 4.3 Industry Value Chain Analysis
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Bargaining Power of Suppliers
 - 4.4.2 Bargaining Power of Buyers
 - 4.4.3 Threat of New Entrants
 - 4.4.4 Threat of Substitute Products and Services
 - 4.4.5 Degree of Competition

5 MARKET SEGMENTATION (MARKET SIZE IN VOLUME)

- 5.1 Source
 - 5.1.1 Underground Brine
 - 5.1.2 Caliche Ore
 - 5.1.3 Recycling
 - 5.1.4 Seaweeds
- 5.2 Form
 - 5.2.1 Inorganic Salts and Complexes
 - 5.2.2 Organic Compounds
 - 5.2.3 Elementals and Isotopes
- 5.3 Application
 - 5.3.1 Animal Feed

- 5.3.2 Medical
- 5.3.3 Biocides
- 5.3.4 Optical Polarizing Films
- 5.3.5 Fluorochemicals
- 5.3.6 Nylon
- 5.3.7 Other Applications
- 5.4 Geography
 - 5.4.1 Asia-Pacific
 - 5.4.1.1 China
 - 5.4.1.2 India
 - 5.4.1.3 Japan
 - 5.4.1.4 South Korea
 - 5.4.1.5 Rest of Asia-Pacific
 - 5.4.2 North America
 - 5.4.2.1 United States
 - 5.4.2.2 Canada
 - 5.4.2.3 Mexico
 - 5.4.3 Europe
 - 5.4.3.1 Germany
 - 5.4.3.2 United Kingdom
 - 5.4.3.3 Italy
 - 5.4.3.4 France
 - 5.4.3.5 Rest of Europe
 - 5.4.4 South America
 - 5.4.4.1 Brazil
 - 5.4.4.2 Argentina
 - 5.4.4.3 Rest of South America
 - 5.4.5 Middle East and Africa
 - 5.4.5.1 Saudi Arabia
 - 5.4.5.2 South Africa
 - 5.4.5.3 Rest of Middle East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers And Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Market Share (%) Analysis
- 6.3 Strategies Adopted by Leading Players
- 6.4 Company Profiles
 - 6.4.1 Algorta Norte

- 6.4.2 Calibre Chemicals Pvt. Ltd
- 6.4.3 Cosayach
- 6.4.4 Deep Water Chemicals
- 6.4.5 Eskay Iodine
- 6.4.6 Glide Chem Private Limited
- 6.4.7 Godo Shigen Co. Ltd
- 6.4.8 Iochem Corporation
- 6.4.9 Iofina
- 6.4.10 ISE Chemicals Corporation
- 6.4.11 Itochu Chemical Frontier Corporation
- 6.4.12 K&O Energy Group Inc.
- 6.4.13 Nippoh Chemicals Co. Ltd
- 6.4.14 Parad Corporation Pvt. Ltd
- 6.4.15 Proto Chemical Industries
- 6.4.16 Salvi Chemical Industries Ltd
- 6.4.17 Samrat Pharmachem Limited
- 6.4.18 SQM SA
- 6.4.19 TOHO Earthtech Inc.

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

- 7.1 Increasing Demand for Recycling Iodine
- 7.2 Rise in the Usage of Biocides

I would like to order

Product name: Iodine - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

Product link: <https://marketpublishers.com/r/I71A752E8A2DEN.html>

Price: US\$ 4,750.00 (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/I71A752E8A2DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

