

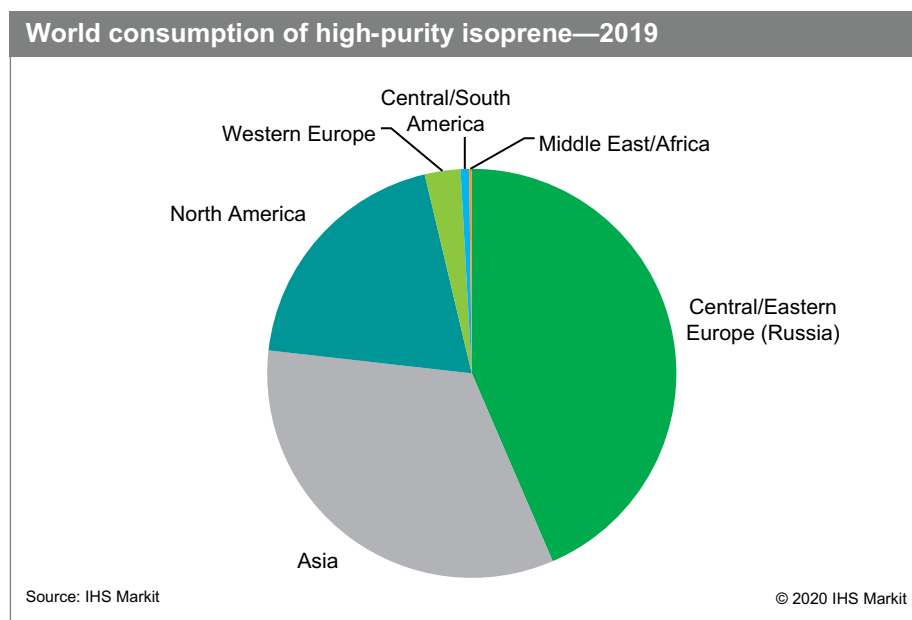
Isoprene

7 July 2020

Abstract

This report focuses on high-purity isoprene. Isoprene, also known as 2-methyl-1,3-butadiene or terpene, is a colorless, volatile liquid, insoluble in water, but soluble in alcohol, ether, and hydrocarbon solvents. Isoprene is produced and sold in different concentrations (e.g., concentrated-type isoprene and high-purity isoprene). Major applications for high-purity isoprene include use as a monomer for the manufacture of polyisoprene elastomers, styrene-isoprene-styrene block copolymer (SIS), and butyl elastomers. Smaller volume amounts of isoprene can be used or converted for viscosity index improvers, specialty isoprenic elastomers, flavors and fragrances, epoxy hardeners, vitamins, medicinal chemicals, agrochemicals, and other uses.

The following pie chart shows world consumption of high-purity isoprene:



In 2019, global polyisoprene rubber production accounted for close to 70% of high-purity isoprene consumption; the remainder was for SIS block copolymer, butyl rubber, and other uses. Russia will continue to dominate high-purity isoprene capacity, production, and consumption in the forecast period (2019–25).

For more detailed information, see the table of contents, shown below.

IHS Markit's Chemical Economics Handbook – *Isoprene* is the comprehensive and trusted guide for anyone seeking information on this industry. This latest report details global and regional information, including

Contacts

Maria deGuzman • Maria.deguzman@ihsmarkit.com



Global summary;
regional coverage



Producers with
annual capacities
and plant sites



Production figures
and trends



Consumption and
forecasts by end use
application



Manufacturing
processes and
environmental issues



Trade – imports
and exports

Key benefits

IHS Markit's Chemical Economics Handbook – *Isoprene* has been compiled using primary interviews with key suppliers and organizations, and leading representatives from the industry in combination with IHS Markit's unparalleled access to upstream and downstream market intelligence and expert insights into industry dynamics, trade, and economics.

This report can help you

- Identify trends and driving forces influencing chemical markets
- Forecast and plan for future demand
- Understand the impact of competing materials
- Identify and evaluate potential customers and competitors
- Evaluate producers
- Track changing prices and trade movements
- Analyze the impact of feedstocks, regulations, and other factors on chemical profitability

Contents

Executive summary	5
Summary	6
Introduction	12
Manufacturing processes	13
Environmental and health issues	23
Supply and demand by region	24
United States	24
– Producing companies	24
– Production	24
– Consumption	25
– Polyisoprene rubber	26
– Styrene-isoprene-styrene block copolymers	27
– Butyl rubber	27
– Other	27
– Price	28
– Trade	29
– Imports	29
– Exports	29
Canada	30
Mexico	30
Central and South America	30
– Producing companies	30
– Salient statistics	30
– Consumption	31
– Trade	32
Western Europe	32
– Producing companies	32
– Consumption	32
– Styrene-isoprene-styrene block copolymers	33
– Butyl rubber	33
– Polyisoprene elastomers	34
– Other	34
Central and Eastern Europe	34
– Producing companies	34
– Production	35
– Consumption	35
– Trade	37
Middle East	37
Africa	38
Japan	38

– Producing companies	38
– Production	39
– Consumption	40
– Polyisoprene elastomers	40
– Styrene-isoprene-styrene block copolymers	41
– Butyl elastomers	41
– Other	41
– Price	42
– Trade	42
China	43
– Producing companies	43
– Salient statistics	44
– Consumption	45
– Price	46
– Trade	47
Other Asia	47
– India	48
– Singapore	49
– South Korea	49
– Taiwan	50
Oceania	51
Additional resources	52
Revisions	53

IHS Markit Customer Care

CustomerCare@ihsmarkit.com

Americas: +1 800 IHS CARE (+1 800 447 2273)

Europe, Middle East, and Africa: +44 (0) 1344 328 300

Asia and the Pacific Rim: +604 291 3600

Disclaimer

The information contained in this report is confidential. Any unauthorized use, disclosure, reproduction, or dissemination, in full or in part, in any media or by any means, without the prior written permission of IHS Markit or any of its affiliates ("IHS Markit") is strictly prohibited. IHS Markit owns all IHS Markit logos and trade names contained in this report that are subject to license. Opinions, statements, estimates, and projections in this report (including other media) are solely those of the individual author(s) at the time of writing and do not necessarily reflect the opinions of IHS Markit. Neither IHS Markit nor the author(s) has any obligation to update this report in the event that any content, opinion, statement, estimate, or projection (collectively, "information") changes or subsequently becomes inaccurate. IHS Markit makes no warranty, expressed or implied, as to the accuracy, completeness, or timeliness of any information in this report, and shall not in any way be liable to any recipient for any inaccuracies or omissions. Without limiting the foregoing, IHS Markit shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with any information provided, or any course of action determined, by it or any third party, whether or not based on any information provided. The inclusion of a link to an external website by IHS Markit should not be understood to be an endorsement of that website or the site's owners (or their products/services). IHS Markit is not responsible for either the content or output of external websites. Copyright © 2020, IHS Markit®. All rights reserved and all intellectual property rights are retained by IHS Markit.

