

# **Global Dihydrolevoglucosenone Market Size study, by Application (Solvents, Fuel Additives, Plasticizers, Coatings, Agricultural Chemicals), by End Use Industry (Chemicals, Automotive, Pharmaceuticals, Agriculture, Food and Beverage), by Form (Liquid, Solid, Powder), by Distribution Channel (Direct Sales, Online Retailers, Distributors, Wholesale) and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Dihydrolevoglucosenone Market is valued at approximately USD 0.27 billion in 2023 and is anticipated to grow with a robust CAGR of 15.71% over the forecast period 2024-2032. Dihydrolevoglucosenone, a bio-based solvent derived from renewable sources, has emerged as a critical component in the drive towards sustainable industrial practices. Its unique chemical properties, such as high solvency power, low toxicity, and biodegradability, make it an attractive alternative to conventional petroleum-based solvents. This compound has found widespread application across diverse industries, including chemicals, automotive, and agriculture, where the need for eco-friendly solutions is paramount.

The market's rapid growth is fueled by the increasing shift towards green chemistry and the adoption of renewable feedstocks in industrial processes. With heightened awareness surrounding environmental concerns and stringent regulatory mandates, dihydrolevoglucosenone is becoming indispensable in manufacturing processes requiring effective yet environmentally compliant solutions. Innovations in production techniques and the integration of this compound into advanced formulations, such as high-performance coatings and bio-based fuel additives, further amplify its market

appeal.

The global push for sustainability and stringent regulatory frameworks in key regions have amplified the adoption of dihydrolevoglucosenone. The compound's versatility in replacing hazardous chemicals, such as N-methyl-2-pyrrolidone (NMP), in applications like industrial cleaning and coatings enhances its demand. Despite its immense potential, the market faces challenges, including high production costs and limited scalability of manufacturing processes, which could hinder its widespread adoption. However, ongoing advancements in production technologies and the expanding use cases across sectors such as agriculture and pharmaceuticals present promising growth avenues.

The North American market dominates the dihydrolevoglucosenone industry, driven by its well-established infrastructure and the presence of key players focused on advancing bio-based solutions. Europe follows closely, leveraging its stringent environmental policies and a strong emphasis on sustainable manufacturing. Meanwhile, the Asia Pacific region is set to witness the fastest growth, propelled by rapid industrialization, increasing investments in green technology, and a growing focus on eco-friendly practices in countries like China and India.

Major market players included in this report are:

BASF SE

Eastman Chemical Company

Solvay S.A.

Mitsubishi Chemical Holdings Corporation

Corbion N.V.

Arkema S.A.

Ashland Global Holdings Inc.

Huntsman Corporation

Perstorp Group

Lonza Group

Merck KGaA

Evonik Industries AG

Dow Chemical Company

Daicel Corporation

PolyOne Corporation

The detailed segments and sub-segments of the market are explained below:

By Application:

Solvents

Fuel Additives

Plasticizers

Coatings

Agricultural Chemicals

By End Use Industry:

Chemicals

Automotive

Pharmaceuticals

Agriculture

## Food and Beverage

### By Form:

Liquid

Solid

Powder

### By Distribution Channel:

Direct Sales

Online Retailers

Distributors

Wholesale

### By Region:

#### North America:

U.S.

Canada

#### Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market estimates and forecasts spanning from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Comprehensive segmentation analysis, including substrates, catalysts, vehicle types, and more.

Regional insights with country-level dynamics.

Detailed competitive landscape, including company profiles and strategic recommendations for stakeholders.

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