

Isoprenol Market to Reach US\$270 million by 2027 - IndustryARC

Isoprenol Market size is estimated to reach US\$270 million by 2027 after growing at a CAGR of 6.2% during 2022-2027.

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The [Isoprenol Market](#) size is estimated to reach US\$270 million by 2027 after growing at a CAGR of 6.2% during 2022-2027. Isoprenol, a colorless liquid, is a hemiterpene alcohol that is also known as 3-methylbut-3-en-1-ol. It is used as a precursor to 3-methylbut-2-

en-1-ol (prenol) to catalyze isomerization reaction. Isoprenol aids the isomerization reaction by forming allyl complex. Isoprenol is a promising alternative fuel as it has higher combustion efficiency compared to ethanol. Aromatic chemicals are another major application of isoprenol. It is used in several other industries such as agrochemical, medicine, rubber synthesis, fragrances and pharmaceuticals. Its derivative Isoprenol ethoxylates, alcohol ethoxylates (AE), is a type of non-ionic surfactant that is commonly utilized. It is synthesized by ethoxylation which is a chemical reaction that involves the addition of ethylene oxide to a substrate. Ethoxylates of alcohol are commonly utilized in cosmetics and other commercial items.

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Key takeaways:

This IndustryARC report on the Isoprenol Market highlights the following areas -

1. Asia Pacific is the fastest growing region in the global isoprenol market. This growth is mainly attributed to the increased demand of paint owing to increased construction activity.
2. Biofuel is expected to be the significant application segment during 2022-2027 due to the



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surge in ecofriendly fuel demand.

3. Isoprenol plays an important role in several industries especially in the cosmetics, personal care, paints and coatings which are expected to provide significant growth opportunity for the global market.

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Segmental Analysis:

1. Isoprenol Market Segment Analysis – By Application : The biofuel segment held the significant isoprenol market share in 2021 and it is expected to grow with a CAGR of around 7.1% during the forecast period. Isoprenol is a promising and valuable biofuel. According to the research article by ACS Sustainable Chemistry & Engineering, net heat of combustion of biofuel derived from isoprenol is up to 9.2% higher than jet fuel. Biofuels can aid in the reduction of greenhouse gas emissions and the resulting influence on climate change. Companies are inclined towards reducing CO2 emissions and dependence on fossil fuels are increasingly interested in biofuels.

2. Isoprenol Market Segment Analysis – By End-Use Industry : The paints and coatings segment held the largest isoprenol market share in 2021, with a share of around 32%. Isoprenol is extensively used in production of paints and coatings as a solvent. It serves as a solubalizer in paints and coatings production. It also enhances corrosion resistance properties of paints and coatings.

3. Isoprenol Market Segment Analysis – By Geography : The Asia Pacific is the leading region accounted for the largest isoprenol market share in 2021, with a share of over 35%. Isoprenol has an application in production of paints as a solubilizer. Paints are exclusively used in various commercial and residential construction activities. It serves a direct purpose in construction activity. Construction activity has surged in Asia Pacific after the easing of lockdown; number of projects at both commercial and residential level have increased.

Competitive landscape:

The top 5 players in the Isoprenol industry are:

1. BASF SE
2. Kuraray Co. Ltd.
3. Spectrum Chemical Manufacturing Corp.
4. Amyris Inc.
5. Tokyo Chemical Industry Co. Ltd.

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