

Undecylenic Acid Market Report and Forecast 2025-2034

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Report description:

The global undecylenic acid market is expected to grow at a CAGR of 4.00% in the forecast period of 2025-2034.

Increasing Demand for Perfumes to Augment the Undecylenic Acid Industry Growth

Based on application, fragrance ingredients account for a significant share in the undecylenic acid industry. Undecylenic acid and its derivatives are widely utilised in perfumes. For example, while methyl undecylenate is used in lilac perfume, ethyl undecylenate finds application in the production of rose perfume. Hence, the growing demand for perfumes is expected to be a key driver for the undecylenic acid industry over the forecast period.

The Asia Pacific to Provide Enhanced Growth Opportunities to the Undecylenic Acid Industry

Region-wise, the Asia Pacific is expected to witness a robust growth over the forecast period owing to the ample availability of vegetable-derived castor oil in the region. Castor oil, on being processed, gives ricinoleic acid as a product, which undergoes a few chemical processes to produce undecylenic acid as the end product. Hence, the abundance of castor oil in the region, especially in emerging countries like India, which dominate the castor oil production, will ensure the undecylenic acid industry growth in the region. This will, in turn, have a positive impact on the growth of the market as a whole.

Undecylenic Acid: Market Segmentation

Undecylenic acid is an organic compound with the chemical formula $C_{11}H_{20}O_2$. It is a mild fatty acid belonging to a group of drugs called antifungals. It is used for the treatment of fungal infections of the skin. Undecylenic acid is also used as a preservative in cosmetics. It is produced by executing pyrolysis of ricinoleic acid, which is one of the substances obtained from castor oil.

By type, the market is divided into:

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- Natural
- Synthetic
- Others

Based on form, the industry can be segmented into:

- Liquid
- Solution
- Cream
- Powder
- Spray
- Ointment
- Others

The market is divided based on application into:

- Cosmetic Biocide
- Fragrance Ingredient
- Antifungal Agent
- Preservative
- Surfactant
- Others

Market breakup by region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Increasing Utilisation in Pharmaceutical Industry to Bolster the Growth of the Undecylenic Acid Industry

The increasing application scope of undecylenic acid in the pharmaceutical industry, combined with the rising consumer awareness regarding renewable source ingredients, is driving the growth of the undecylenic acid industry. Moreover, owing to its antifungal properties, undecylenic acid and its calcium/zinc salt is used as an active ingredient in anti-fungal remedies to treat fungal infections such as ringworm and athlete's foot. Furthermore, the FDA approval of medical applications is likely to favour the growth of the undecylenic acid industry during the forecast period. In addition, undecylenic acid is used to fight candida infection and also relieves irritation, itching, and skin inflammations.

Over the forecast period, the increasing availability of castor oil obtained from vegetable sources is expected to be a key driver for the market.

Key Industry Players in the Global Undecylenic Acid Market

The report gives a detailed analysis of the following key players in the global undecylenic acid market, covering their competitive

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landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Arkema Group
- HOKOKU Co., Ltd.
- Acme Synthetic Chemicals
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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