

Hydrolysis Stabilizer Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Resin (PU, PET, PBT, TPU, TPE-E, EVA and bio-based Polyesters (PLA & PHA), Others), By End-Use (Packaging, Automotive, Consumer Goods, Furniture, Construction & Others), By Region & Competition, 2021-2031F

Market Report | 2026-01-05 | 185 pages | TechSci Research

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Report description:

Market Overview

The Global Hydrolysis Stabilizer Market will grow from USD 504.43 Million in 2025 to USD 771.56 Million by 2031 at a 7.34% CAGR. Hydrolysis stabilizers are specialized chemical additives formulated to inhibit the degradation of polymers such as polyurethanes and polyesters caused by exposure to moisture. These agents maintain material integrity by scavenging water molecules or preventing molecular chain scission in humid environments.

Key Market Drivers

The increasing usage of engineering plastics in automotive lightweighting is a primary catalyst for market growth. Automotive manufacturers are aggressively replacing metal components with high-performance polymers like polybutylene terephthalate and polyamides to improve fuel efficiency and extend electric vehicle range. However, these materials are susceptible to rapid degradation when exposed to the high temperatures and moisture common in under-hood environments, necessitating the addition of hydrolysis stabilizers to preserve structural integrity.

Key Market Challenges

The volatility of raw material prices stands as a substantial barrier to the expansion of the Global Hydrolysis Stabilizer Market. Manufacturers of these additives rely heavily on petrochemical derivatives, and the cost of these inputs is inextricably linked to global crude oil and natural gas markets. When feedstock prices fluctuate unpredictably, producers face immediate instability in their production costs. This unpredictability forces suppliers to frequently revise their pricing structures, making it difficult to maintain competitive and consistent rates for end-users.

Key Market Trends

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The incorporation of hydrolysis stabilizers into photovoltaic backsheet films is becoming essential to ensure the extended lifespan of solar modules. As solar installations expand globally, manufacturers utilize these additives to protect polyethylene terephthalate layers from moisture-induced degradation, which guarantees durability over operational periods exceeding twenty-five years. This application is critical for maintaining the structural integrity of renewable energy infrastructure against harsh environmental conditions.

Key Market Players

- [] BASF SE
- [] Songwan International
- [] Lanxess
- [] Akzo Nobel N.V.
- [] Solvay SA
- [] Wacker Chemie AG
- [] Evonik Industries AG
- [] Albemarle Corporation
- [] Adeka Corporation
- [] Addivant USA
- [] Aquapersions M SDN BHD
- [] Unichem Shanghai Co Ltd.
- [] Meraxis AG
- [] Suqian Unitedchem Co Ltd.
- [] Shandong Jianxing New Materials

Report Scope:

In this report, the Global Hydrolysis Stabilizer Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- [] Hydrolysis Stabilizer Market, By Resin:

- o [] PU
- o [] PET
- o [] PBT
- o [] TPU
- o [] TPE-E
- o [] EVA and bio-based Polyesters (PLA & PHA)
- o [] Others

- [] Hydrolysis Stabilizer Market, By End-Use:

- o [] Packaging
- o [] Automotive
- o [] Consumer Goods
- o [] Furniture
- o [] Construction & Others

- [] Hydrolysis Stabilizer Market, By Region:

- o [] North America
 - [] United States
 - [] Canada
 - [] Mexico
- o [] Europe
 - [] France
 - [] United Kingdom
 - [] Italy

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- China
- India
- Japan
- Australia
- South Korea
- o□South America
- Brazil
- Argentina
- Colombia
- o□Middle East & Africa
- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Hydrolysis Stabilizer Market.

Available Customizations:

Global Hydrolysis Stabilizer Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

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