

Hindered Amine Light Stabilizers - Company Evaluation Report, 2024

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Report description:

The HALS Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for HALS. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 14 HALS Companies were categorized and recognized as quadrant leaders.

Hindered amine light stabilizers (HALS) are advanced additives formulated to shield polymers and plastics from degradation caused by UV radiation. In contrast to conventional UV absorbers, HALS offer enhanced and sustained protection by suppressing free-radical formation, thereby minimizing discoloration, cracking, and brittleness. This makes HALS particularly valuable in products exposed to extended outdoor conditions. Sectors such as packaging, automotive, construction, and agriculture make substantial use of HALS to extend the durability and functionality of plastic materials.

According to the American Coatings Association, HALS (Hindered Amine Light Stabilizers) are a class of chemical additives derived from 2,2,6,6-tetramethyl piperidine (TMP) that act as radical scavengers to inhibit photo-oxidative degradation in polymers. They are extensively used in coatings, adhesives, and sealants to mitigate surface issues such as gloss loss, cracking, and discoloration. Unlike UV absorbers, HALS provide long-lasting stabilization by regenerating their active form during the stabilization process and are effective regardless of film thickness.

The 360 Quadrant maps the HALS companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the HALS quadrant. The top criteria for product footprint evaluation included By TYPE (Polymeric Hals, Monomeric Hals, Oligomeric Hals), and By END-USE INDUSTRY (Automotive, Building & Construction, Packaging, Agriculture, Other End-Use Industries).

Key Players

Key players in the Hals market include major global corporations and specialized innovators such as Basf Se, Rianlon Corporation, Sabo S.P.A., Syensqo Sa/Nv, Suqian Unitech Corp., Ltd., Adeka Corporation, Arkema, Songwon Industrial Co., Ltd., Clariant Ag, Everlight Chemical Industrial, Corporation, Si Group, Inc., and Beijing Tiangang Auxiliary Co.,Ltd. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

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Top 3 Companies

BASF SE

BASF SE is a leading chemical company with a formidable presence in the HALS market. The company's product portfolio spans multiple industries, including automotive, packaging, and construction. BASF's focus on high-performance UV stabilization solutions places it at the forefront of innovation in HALS. The company operates numerous production sites globally, emphasizing sustainable and efficient production processes. BASF's market share ranges from 24-27%, highlighting its dominance in the sector. The company's strategic initiatives include increasing production capacity and integrating renewable energy solutions.

Rianlon Corporation

Rianlon Corporation is a key player in manufacturing and supplying cost-effective UV stabilizers and anti-aging additives for polymers. The company has a broad product portfolio and extensive global operations, with subsidiaries in Germany, the US, Hong Kong, and Japan. Its strategic focus includes expanding its distributor network and optimizing supply chain management to ensure localized customer support. Rianlon maintains a competitive edge with a market share of approximately 20-23%.

SABO S.p.A.

SABO S.p.A. is a prominent supplier of polymer additives, renowned for its SABOSTAB brand of HALS. Since entering the market in 2007, SABO has committed to delivering customer-centric solutions backed by steady innovation and high-quality standards. With its production bases located in Italy, Germany, and China, the company serves clients in over 70 countries, enhancing its presence in key industries such as automotive, construction, and agriculture.

Table of Contents:

1	INTRODUCTION	11
1.1	MARKET DEFINITION	11
1.2	INCLUSIONS AND EXCLUSIONS	11
1.3	STAKEHOLDERS	11
2	EXECUTIVE SUMMARY	12
3	MARKET OVERVIEW	15
3.1	INTRODUCTION	15
3.2	MARKET DYNAMICS	15
3.2.1	DRIVERS	16
3.2.1.1	Rising market demand in plastics industry	16
3.2.1.2	Technological advancements	17
3.2.1.3	Expansion of automotive industry	17
3.2.2	RESTRAINTS	18
3.2.2.1	Supply chain disruptions and price volatility	18
3.2.2.2	Competition from alternative stabilization technologies	19
3.2.2.3	High production and R&D costs	19
3.2.3	OPPORTUNITIES	20
3.2.3.1	Customized solutions for specific applications	20
3.2.4	CHALLENGES	20
3.2.4.1	Stringent environmental and regulatory compliance	20
3.3	PORTER'S FIVE FORCES ANALYSIS	21
3.3.1	THREAT OF NEW ENTRANTS	21
3.3.2	THREAT OF SUBSTITUTES	22
3.3.3	BARGAINING POWER OF SUPPLIERS	22
3.3.4	BARGAINING POWER OF BUYERS	22

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3.3.5	INTENSITY OF COMPETITIVE RIVALRY	22
4	INDUSTRY TRENDS	24
4.1	SUPPLY CHAIN ANALYSIS	24
4.1.1	RAW MATERIALS	25
4.1.2	MANUFACTURING	25
4.1.3	DISTRIBUTION NETWORK	25
4.1.4	END-USE INDUSTRIES	25
4.2	TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS	25
4.3	ECOSYSTEM ANALYSIS	26
	?	
4.4	TECHNOLOGY ANALYSIS	28
4.4.1	KEY TECHNOLOGIES	28
4.4.1.1	Free Radical Scavenging	28
4.4.2	COMPLEMENTARY TECHNOLOGIES	28
4.4.2.1	UV Absorbers	28
4.5	PATENT ANALYSIS	29
4.5.1	METHODOLOGY	29
4.5.2	DOCUMENT TYPES	29
4.5.3	TOP APPLICANTS	31
4.5.4	JURISDICTION ANALYSIS	34
4.6	IMPACT OF AI/GEN AI ON HALS MARKET	35
5	COMPETITIVE LANDSCAPE	36
5.1	INTRODUCTION	36
5.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	36
5.3	MARKET SHARE ANALYSIS, 2023	37
5.4	REVENUE ANALYSIS OF TOP FIVE PLAYERS, 2020-2023	39
5.5	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023	40
5.5.1	STARS	40
5.5.2	EMERGING LEADERS	40
5.5.3	PERVASIVE PLAYERS	41
5.5.4	PARTICIPANTS	41
5.5.5	COMPANY FOOTPRINT: KEY PLAYERS, 2023	42
5.5.5.1	Company footprint	42
5.5.5.2	Region footprint	43
5.5.5.3	Type footprint	44
5.5.5.4	End-use industry footprint	45
5.6	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	46
5.6.1	PROGRESSIVE COMPANIES	46
5.6.2	RESPONSIVE COMPANIES	46
5.6.3	DYNAMIC COMPANIES	46
5.6.4	STARTING BLOCKS	46
5.6.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023	47
5.6.5.1	Detailed list of key startups/SMES	47
5.6.5.2	Competitive benchmarking of key startups/SMEs	48
5.7	BRAND/PRODUCT COMPARATIVE ANALYSIS	48
5.8	COMPANY VALUATION AND FINANCIAL METRICS	49
5.9	COMPETITIVE SCENARIO	50

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5.9.1	PRODUCT LAUNCHES	50
5.9.2	DEALS	51
5.9.3	EXPANSIONS	52
6	COMPANY PROFILES	54
6.1	KEY PLAYERS	54
6.1.1	BASF SE	54
6.1.1.1	Business overview	54
6.1.1.2	Products/Solutions/Services offered	55
6.1.1.3	Recent developments	57
6.1.1.3.1	Product launches	57
6.1.1.3.2	Expansions	57
6.1.1.3.3	Other developments	57
6.1.1.4	MnM view	58
6.1.1.4.1	Key strengths/Right to win	58
6.1.1.4.2	Strategic choices	58
6.1.1.4.3	Weaknesses/Competitive threats	58
6.1.2	RIANLON CORPORATION	59
6.1.2.1	Business overview	59
6.1.2.2	Products/Solutions/Services offered	59
6.1.2.3	Recent developments	61
6.1.2.3.1	Deals	61
6.1.2.4	MnM view	61
6.1.2.4.1	Key strengths/Right to win	61
6.1.2.4.2	Strategic choices	61
6.1.2.4.3	Weaknesses/Competitive threats	61
6.1.3	SABO S.P.A.	62
6.1.3.1	Business overview	62
6.1.3.2	Products/Solutions/Services offered	62
6.1.3.3	Recent developments	63
6.1.3.3.1	Deals	63
6.1.3.3.2	Expansions	64
6.1.3.4	MnM view	64
6.1.3.4.1	Key strengths/Right to win	64
6.1.3.4.2	Strategic choices	64
6.1.3.4.3	Weaknesses/Competitive threats	64
6.1.4	SYENSQO SA/NV	66
6.1.4.1	Business overview	66
6.1.4.2	Products/Solutions/Services offered	67
6.1.4.3	MnM view	68
6.1.4.3.1	Key strengths/Right to win	68
6.1.4.3.2	Strategic choices	68
6.1.4.3.3	Weaknesses/Competitive threats	68
6.1.5	SUQIAN UNITECH CORP., LTD.	69
6.1.5.1	Business overview	69
6.1.5.2	Products/Solutions/Services offered	69
6.1.5.3	Recent developments	70
6.1.5.3.1	Expansions	70

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6.1.5.4	MnM view	70
6.1.5.4.1	Key strengths/Right to win	70
6.1.5.4.2	Strategic choices	70
6.1.5.4.3	Weaknesses/Competitive threats	71
6.1.6	ADEKA CORPORATION	72
6.1.6.1	Business overview	72
6.1.6.2	Products/Solutions/Services offered	74
6.1.7	ARKEMA	75
6.1.7.1	Business overview	75
6.1.7.2	Products/Solutions/Services offered	76
6.1.8	SONGWON INDUSTRIAL CO., LTD.	78
6.1.8.1	Business overview	78
6.1.8.2	Products/Solutions/Services offered	79
6.1.8.3	Recent developments	81
6.1.8.3.1	Deals	81
6.1.9	CLARIANT AG	82
6.1.9.1	Business overview	82
6.1.9.2	Products/Solutions/Services offered	83
6.1.9.3	Recent developments	84
6.1.9.3.1	Expansions	84
6.1.10	EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION	85
6.1.10.1	Business overview	85
6.1.10.2	Products/Solutions/Services offered	86
6.1.11	SI GROUP, INC.	87
6.1.11.1	Business overview	87
6.1.11.2	Products/Solutions/Services offered	87
6.1.12	BEIJING TIANGANG AUXILIARY CO., LTD.	88
6.1.12.1	Business overview	88
6.1.12.2	Products/Solutions/Services offered	88
6.2	OTHER PLAYERS	89
6.2.1	YUANLI CHEMICAL GROUP CO., LTD.	89
6.2.2	3V SIGMA S.P.A.	90
6.2.3	CHEMIPRO KASEI	91
6.2.4	FUJIAN DISHENG TECHNOLOGY CO., LTD.	91
6.2.5	EVERSPRING CHEMICAL CO., LTD.	92
6.2.6	DOUBLE BOND CHEMICAL IND. CO., LTD.	93
6.2.7	GREENCHEMICALS S.R.L.	94
6.2.8	CHITEC TECHNOLOGY CO., LTD.	95
6.2.9	RICHYU CHEMICAL CO.	96
6.2.10	ALFA CHEMISTRY	97
6.2.11	MAYZO, INC.	98
6.2.12	EUTEC CHEMICAL CO., LTD.	99
6.2.13	TINTOLL PERFORMANCE MATERIALS CO., LTD.	100
6.2.14	QINGDAO JADE NEW MATERIAL TECHNOLOGY CO., LTD.	101
6.2.15	MPI CHEMIE BV	102
6.2.16	SU QIAN CITY ZHENXING CHEMICAL., LTD.	103
7	APPENDIX	104

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- 7.1 RESEARCH METHODOLOGY 104
- 7.1.1 RESEARCH DATA 104
 - 7.1.1.1 Secondary data 104
 - 7.1.1.2 Primary data 105
- 7.1.2 ASSUMPTIONS 105
- 7.1.3 LIMITATIONS 106
- 7.1.4 RISK ASSESSMENT 106
- 7.2 COMPANY EVALUATION MATRIX: METHODOLOGY 106
- 7.3 AUTHOR DETAILS 109

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