

# High-Temperature Heat Stabilizers: Global Markets

<https://marketpublishers.com/r/HD28039A39D2EN.html>

Date: March 2020

Pages: 227

Price: US\$ 2,750.00 (Single User License)

ID: HD28039A39D2EN

## Abstracts

### REPORT SCOPE:

This study reviews the following technology categories, along with relevant market and production information, technological descriptions and issues, and key applications and market factors in major worldwide markets. This report organizes technologies into the following segments: detailed market data are presented for each of the following technology categories -

Metallic salts and soaps.

Organometallic heat stabilizers.

Primary antioxidants.

Secondary antioxidants.

Other organic heat stabilizers.

High-temperature heat stabilizers: Inorganic.

High-temperature heat stabilizers: Organic.

The following heat stabilizer applications (i.e., use in specific plastics) are also considered within the study, with market breakdowns for each by region with select countries -

PVC.

Polyamides.

Polypropylene.

Polyethylene.

Polystyrene.

Polyurethane.

Other Polymers.

Recycled Plastics.

## **REPORT INCLUDES:**

71 tables

An overview of the global markets and technologies for high temperature heat stabilizers

Analyses of global market trends, with data from 2019, estimates for 2020, and projections of compound annual growth rates (CAGRs) through 2025

A look at the key challenges and opportunities in the high temperature heat stabilizers market

Information on environmental and health concerns surrounding plastics and management of heavy metals

Insights into regulatory framework, investment analysis, growth indicators and key decision supporting factors

Snapshot of ongoing activities for heat stabilizers in the global and regional markets

Evaluation of current market size, market forecast, and market share analysis of

the leading suppliers of the industry

Comprehensive profiles of major players in the industry, including 3M Co., BASF, DuPont, Hitachi Chemical Co. and Toray Industries

## Contents

### CHAPTER 1 INTRODUCTION

Study Goals and Objectives  
Reasons for Doing This Study  
Intended Audience  
Scope of Report  
Information Sources  
Methodology  
Geographic Breakdown  
Analyst's Credentials  
BCC Custom Research  
Related BCC Research Reports

### CHAPTER 2 SUMMARY AND HIGHLIGHTS

### CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND

Definitions  
Heat Stabilizer  
Initiation  
Propagation  
Termination  
Acute vs Long-Term Thermal Degradation  
How do Plastics Destabilize During Heating?  
Effects of Thermal Degradation  
Mechanisms: How Do Heat Stabilizers Work?  
Note on Health and Environmental Toxicity  
Categories of Heat Stabilizers  
Metallic Salts and Soaps  
Organometallic Heat Stabilizers  
Organic Heat Stabilizers  
Primary Antioxidants  
Secondary Antioxidants  
Other Organic Heat Stabilizers  
High-Temperature Heat Stabilizers: Inorganic and Organic  
Blended Chemistries  
Heat Stabilizer Applications

PVC  
Polyamides  
Polypropylene  
Polyethylene  
Polystyrene  
Polyurethane  
Other Polymers  
Recycled Plastics  
Technologies Not Included in This Report

## **CHAPTER 4 GLOBAL MARKET SUMMARY**

Scope of the Market Analysis  
Global Market for Heat Stabilizer Technologies, by Region  
Global Market for Consumer Heat stabilizers by Technology  
Global Market for Heat Stabilizers, by Application

## **CHAPTER 5 MARKET BREAKDOWN BY TECHNOLOGY**

Global Market for Metallic Salts and Soaps  
Global Summary  
North American Market  
European Market  
Asian Market  
Global Market for Organometallic Heat Stabilizers  
Global Summary  
North American Market  
European Market  
Asian Market  
Global Market for Primary Antioxidants  
Global Summary  
North American Market  
European Market  
Asian Market  
Global Market for Secondary Antioxidants  
Global Summary  
North American Market  
European Market  
Asian Market

Global Market for Other Organic Heat Stabilizers

Global Summary

North American Market

European Market

Asian Market

Global Market for High-Temperature Heat Stabilizers: Inorganic

Global Summary

North American Market

European Market

Asian Market

Global Market for High-Temperature Heat Stabilizers: Organic

Global Summary

North American Market

European Market

Asian Market

## **CHAPTER 6 MARKET BREAKDOWN BY APPLICATION**

Global Heat Stabilizer Markets for PVC

Global Summary

North American Market

European Market

Asian Market

Global Heat Stabilizer Markets for Polyamides

Global Summary

North American Market

European Market

Asian Market

Global Heat Stabilizer Markets for Polypropylene

Global Summary

North American Market

European Market

Asian Market

Global Heat Stabilizer Markets for Polyethylene

Global Summary

North American Market

European Market

Asian Market

Global Heat Stabilizer Markets for Polystyrene

Global Summary  
North American Market  
European Market  
Asian Market  
Global Heat Stabilizer Markets for Polyurethane  
Global Summary  
North American Market  
European Market  
Asian Market  
Global Heat Stabilizer Markets for Other Polymers  
Global Summary  
North American Market  
European Market  
Asian Market  
Global Heat Stabilizer Markets for Recycled Plastics  
Global Summary  
North American Market  
European Market  
Asian Market

## **CHAPTER 7 INDUSTRY TRENDS AND MARKET OPPORTUNITIES**

Supply Chains  
Raw Materials Producers  
Petroleum Supply Chain  
Industry and Key Research Organizations  
Key Industry Trends  
Development of New Heat Stabilizers  
Plastics Industry Growth and Development  
High-Temperature Heat Stabilizers  
Environmental and Health Concerns Surrounding Plastics  
Management of Heavy Metals  
Sustainability and Social Responsibility

## **CHAPTER 8 PATENT REVIEW/ NEW DEVELOPMENTS**

Annual Granted Patents  
Patent Country of Origin  
Key Players

Patent Code Map  
Patent Materials Map

## **CHAPTER 9 COMPANY PROFILES**

3M  
ADEKA CORP.  
AKCROS CHEMICALS LTD.  
ALBEMARLE CORP.  
AM STABILIZERS CORP.  
BAERLOCHER GMBH  
BASF  
BRUGGEMANN  
CLARIANT INTERNATIONAL LTD.  
COVESTRO  
CHEMSON POLYMER-ADDITIVE AG  
COLOR-CHEM INTERNATIONAL CORP.  
DSM  
DUPONT  
GALATA CHEMICALS  
GOLDSTAB ORGANICS  
HEBEI JINGXIN CHEMICAL GROUP  
HITACHI CHEMICAL CO.  
HUBEI NANXING POLYMER ADDITIVES CO. LTD.  
IMERYS PERFORMANCE ADDITIVES  
KANEKA  
KD CHEM  
KISUMA CHEMICALS  
KOLON INDUSTRIES  
KURARAY  
LANXESS AG  
LG CHEM  
MITSUBISHI CHEMICAL CORP.  
MITSUI CHEMICALS  
NITTO KASEI  
NOVISTA CHEMICALS  
PAU TAI INDUSTRIAL  
POWER ADDITIVES  
REAGENS GROUP



SHIN-ETSU CHEMICAL CO. LTD.  
SONGWON  
SUMITOMO CHEMICAL CO.  
TOPAS ADVANCED POLYMERS (POLYPLASTICS)  
TORAY INDUSTRIES  
TOSOH CORP.  
VALTRIS SPECIALTY CHEMICALS  
WELLS PLASTICS LTD.

## **CHAPTER 10 PATENTS**

## **CHAPTER 11 APPENDIX A: ABBREVIATIONS**

## List Of Tables

### LIST OF TABLES

Summary Table A: Information Sources for this Study

Summary Table: Global Market for Heat Stabilizer Technologies, by Technology Category, Through 2025

Table 1: Global Market for Heat Stabilizer Technologies, by Region, Through 2025

Table 2: North American Market for Heat Stabilizer Technologies, by Country, Through 2025

Table 3: European Market for Heat Stabilizer Technologies, by Country, Through 2025

Table 4: Asian Market for Heat Stabilizer Technologies, by Country, Through 2025

Table 5: Global Market for Heat Stabilizers, by Technology, Through 2025

Table 6: Global Market for Heat Stabilizers, by Application, Through 2025

Table 7: Global Market for Metallic Salts and Soaps, by Region, Through 2025

Table 8: North American Market for Metallic Salts and Soaps, by Country, Through 2025

Table 9: European Market for Metallic Salts and Soaps, by Country, Through 2025

Table 10: Asian Market for Metallic Salts and Soaps, by Country, Through 2025

Table 11: Global Market for Organometallic Heat Stabilizers, by Region, Through 2025

Table 12: North American Market for Organometallic Heat Stabilizers, by Country, Through 2025

Table 13: European Market for Organometallic Heat Stabilizers, by Country, Through 2025

Table 14: Asian Market for Organometallic Heat Stabilizers, by Country, Through 2025

Table 15: Global Market for Primary Antioxidants, by Region, Through 2025

Table 16: North American Market for Primary Antioxidants, by Country, 2019-2025

Table 17: European Market for Primary Antioxidants, by Country, Through 2025

Table 18: Asian Market for Primary Antioxidants, by Country, Through 2025

Table 19: Global Market for Secondary Antioxidants, by Region, Through 2025

Table 20: North American Market for Secondary Antioxidants, by Country, Through 2025

Table 21: European Market for Secondary Antioxidants, by Country, Through 2025

Table 22: Asian Market for Secondary Antioxidants, by Country, Through 2025

Table 23: Global Market for Other Organic Heat Stabilizers, by Region, Through 2025

Table 24: North American Market for Other Organic Heat Stabilizers, by Country, Through 2025

Table 25: European Market for Other Organic Heat Stabilizers, by Country, Through 2025

Table 26: Asian Market for Other Organic Heat Stabilizers, by Country, Through 2025

Table 27: Global Market for Inorganic High-Temperature Heat Stabilizers, by Region, Through 2025

Table 28: North American Market for Inorganic High-Temperature Heat Stabilizers, by Country, Through 2025

Table 29: European Market for Inorganic High-Temperature Heat Stabilizers, by Country, Through 2025

Table 30: Asian Market for Inorganic High-Temperature Heat Stabilizers, by Country, Through 2025

Table 31: Global Market for Organic High-Temperature Heat Stabilizers, by Region, Through 2025

Table 32: North American Market for Organic High-Temperature Heat Stabilizers, by Country, Through 2025

Table 33: European Market for Organic High-Temperature Heat Stabilizers, by Country, Through 2025

Table 34: Asian Market for Organic High-Temperature Heat Stabilizers, by Country, Through 2025

Table 35: Global Market for Heat Stabilizer Applications: PVC, by Region, Through 2025

Table 36: North American Market for Heat Stabilizer Applications: PVC, by Country, Through 2025

Table 37: European Market for Heat Stabilizer Applications: PVC, by Country, Through 2025

Table 38: Asian Market for Heat Stabilizer Applications: PVC, by Country, Through 2025

Table 39: Global Market for Heat Stabilizer Applications: Polyamides, by Region, Through 2025

Table 40: North American Market for Heat Stabilizer Applications: Polyamides, by Country, Through 2025

Table 41: European Market for Heat Stabilizer Applications: Polyamides, by Country, Through 2025

Table 42: Asian Market for Heat Stabilizer Applications: Polyamides, by Country, Through 2025

Table 43: Global Market for Heat Stabilizer Applications: Polypropylene, by Region, Through 2025

Table 44: North American Market for Heat Stabilizer Applications: Polypropylene, by Country, Through 2025

Table 45: European Market for Heat Stabilizer Applications: Polypropylene, by Country, Through 2025

Table 46: Asian Market for Heat Stabilizer Applications: Polypropylene, by Country,

Through 2025

Table 47: Global Market for Heat Stabilizer Applications: Polyethylene, by Region, Through 2025

Table 48: North American Market for Heat Stabilizer Applications: Polyethylene, by Country, Through 2025

Table 49: European Market for Heat Stabilizer Applications: Polyethylene, by Country, Through 2025

Table 50: Asian Market for Heat Stabilizer Applications: Polyethylene, by Country, Through 2025

Table 51: Global Market for Heat Stabilizer Applications: Polystyrene, by Region, Through 2025

Table 52: North American Market for Heat Stabilizer Applications: Polystyrene, by Country, Through 2025

Table 53: European Market for Heat Stabilizer Applications: Polystyrene, by Country, Through 2025

Table 54: Asian Market for Heat Stabilizer Applications: Polystyrene, by Country, Through 2025

Table 55: Global Market for Heat Stabilizer Applications: Polyurethane, by Region, Through 2025

Table 56: North American Market for Heat Stabilizer Applications: Polyurethane, by Country, Through 2025

Table 57: European Market for Heat Stabilizer Applications: Polyurethane, by Country, Through 2025

Table 58: Asian Market for Heat Stabilizer Applications: Polyurethane, by Country, Through 2025

Table 59: Global Market for Heat Stabilizer Applications: Other Polymers, by Region, Through 2025

Table 60: North American Market for Heat Stabilizer Applications: Other Polymers, by Country, Through 2025

Table 61: European Market for Heat Stabilizer Applications: Other Polymers, by Country, Through 2025

Table 62: Asian Market for Heat Stabilizer Applications: Other Polymers, by Country, Through 2025

Table 63: Global Market for Heat Stabilizer Applications: Recycled Plastics, by Region, Through 2025

Table 64: North American Market for Heat Stabilizer Applications: Recycled Plastics, by Country, Through 2025

Table 65: European Market for Heat Stabilizer Applications: Recycled Plastics, by Country, Through 2025

Table 66: Asian Market for Heat Stabilizer Applications: Recycled Plastics, by Country, Through 2025

Table 67: Summary of Industry and Select Scientific Organizations Relevant to Heat Stabilizers

Table 68: Summary of Select Patents

Table 69: Abbreviations Used in This Study

## List Of Figures

### LIST OF FIGURES

Summary Figure: Global Market for Heat Stabilizer Technologies, by Technology Category, 2019-2025

Figure 1: Global Market for Heat Stabilizer Technologies, by Region, 2019-2025

Figure 2: North American Market for Heat Stabilizer Technologies, by Country, 2019-2025

Figure 3: European Market for Heat Stabilizer Technologies, by Country, 2019-2025

Figure 4: Asian Market for Heat Stabilizer Technologies, by Country, 2019-2025

Figure 5: Global Market for Heat Stabilizers, by Technology, 2019-2025

Figure 6: Global Market for Heat Stabilizers, by Application, 2019-2025

Figure 7: Global Market for Metallic Salts and Soaps, by Region, 2019-2025

Figure 8: North American Market for Metallic Salts and Soaps, by Country, 2019-2025

Figure 9: European Market for Metallic Salts and Soaps, by Country, 2019-2025

Figure 10: Asian Market for Metallic Salts and Soaps, by Country, 2019-2025

Figure 11: Global Market for Organometallic Heat Stabilizers, by Region, 2019-2025

Figure 12: North American Market for Organometallic Heat Stabilizers, by Country, 2019-2025

Figure 13: European Market for Organometallic Heat Stabilizers, by Country, 2019-2025

Figure 14: Asian Market for Organometallic Heat Stabilizers, by Country, 2019-2025

Figure 15: Global Market for Primary Antioxidants, by Region, 2019-2025

Figure 16: North American Market for Primary Antioxidants, by Country, 2019-2025

Figure 17: European Market for Primary Antioxidants, by Country, 2019-2025

Figure 18: Asian Market for Primary Antioxidants, by Country, 2019-2025

Figure 19: Global Market for Secondary Antioxidants, by Region, 2019-2025

Figure 20: North American Market for Secondary Antioxidants, by Country, 2019-2025

Figure 21: European Market for Secondary Antioxidants, by Country, 2019-2025

Figure 22: Asian Market for Secondary Antioxidants, by Country, 2019-2025

Figure 23: Global Market for Other Organic Heat Stabilizers, by Region, 2019-2025

Figure 24: North American Market for Other Organic Heat Stabilizers, by Country, 2019-2025

Figure 25: European Market for Other Organic Heat Stabilizers, by Country, 2019-2025

Figure 26: Asian Market for Other Organic Heat Stabilizers, by Country, 2019-2025

Figure 27: Global Market for Inorganic High-Temperature Heat Stabilizers, by Region, 2019-2025

Figure 28: North American Market for Inorganic High-Temperature Heat Stabilizers, by Country, 2019-2025

Figure 29: European Market for Inorganic High-Temperature Heat Stabilizers, by Country, 2019-2025

Figure 30: Asian Market for Inorganic High-Temperature Heat Stabilizers, by Country, 2019-2025

Figure 31: Global Market for Organic High-Temperature Heat Stabilizers, by Region, 2019-2025

Figure 32: North American Market for Organic High-Temperature Heat Stabilizers, by Country, 2019-2025

Figure 33: European Market for Organic High-Temperature Heat Stabilizers, by Country, 2019-2025

Figure 34: Asian Market for Organic High-Temperature Heat Stabilizers, by Country, 2019-2025

Figure 35: Global Market for Heat Stabilizer Applications: PVC, by Region, 2019-2025

Figure 36: North American Market for Heat Stabilizer Applications: PVC, by Country, 2019-2025

Figure 37: European Market for Heat Stabilizer Applications: PVC, by Country, 2019-2025

Figure 38: Asian Market for Heat Stabilizer Applications: PVC, by Country, 2019-2025

Figure 39: Global Market for Heat Stabilizer Applications: Polyamides, by Region, 2019-2025

Figure 40: North American Market for Heat Stabilizer Applications: Polyamides, by Country, 2019-2025

Figure 41: European Market for Heat Stabilizer Applications: Polyamides, by Country, 2019-2025

Figure 42: Asian Market for Heat Stabilizer Applications: Polyamides, by Country, 2019-2025

Figure 43: Global Market for Heat Stabilizer Applications: Polypropylene, by Region, 2019-2025

Figure 44: North American Market for Heat Stabilizer Applications: Polypropylene, by Country, 2019-2025

Figure 45: European Market for Heat Stabilizer Applications: Polypropylene, by Country, 2019-2025

Figure 46: Asian Market for Heat Stabilizer Applications: Polypropylene, by Country, 2019-2025

Figure 47: Global Market for Heat Stabilizer Applications: Polyethylene, by Region, 2019-2025

Figure 48: North American Market for Heat Stabilizer Applications: Polyethylene, by Country, 2019-2025

Figure 49: European Market for Heat Stabilizer Applications: Polyethylene, by Country,



2019-2025

Figure 50: Asian Market for Heat Stabilizer Applications: Polyethylene, by Country, 2019-2025

Figure 51: Global Market for Heat Stabilizer Applications: Polystyrene, by Region, 2019-2025

Figure 52: North American Market for Heat Stabilizer Applications: Polystyrene, by Country, 2019-2025

Figure 53: European Market for Heat Stabilizer Applications: Polystyrene, by Country, 2019-2025

Figure 54: Asian Market for Heat Stabilizer Applications: Polystyrene, by Country, 2019-2025

Figure 55: Global Market for Heat Stabilizer Applications: Polyurethane, by Region, 2019-2025

Figure 56: North American Market for Heat Stabilizer Applications: Polyurethane, by Country, 2019-2025

Figure 57: European Market for Heat Stabilizer Applications: Polyurethane, by Country, 2019-2025

Figure 58: Asian Market for Heat Stabilizer Applications: Polyurethane, by Country, 2019-2025

Figure 59: Global Market for Heat Stabilizer Applications: Other Polymers, by Region, 2019-2025

Figure 60: North American Market for Heat Stabilizer Applications: Other Polymers, by Country, 2019-2025

Figure 61: European Market for Heat Stabilizer Applications: Other Polymers, by Country, 2019-2025

Figure 62: Asian Market for Heat Stabilizer Applications: Other Polymers, by Country, 2019-2025

Figure 63: Global Market for Heat Stabilizer Applications: Recycled Plastics, by Region, 2019-2025

Figure 64: North American Market for Heat Stabilizer Applications: Recycled Plastics, by Country, 2019-2025

Figure 65: European Market for Heat Stabilizer Applications: Recycled Plastics, by Country, 2019-2025

Figure 66: Asian Market for Heat Stabilizer Applications: Recycled Plastics, by Country, 2019-2025

Figure 67: Heat Stabilizers Supply Chain

Figure 68: Published Patents for Heat Stabilizer Technologies, 2000-2019

Figure 69: Published Patents for Heat Stabilizer Technologies, by Country. 2000-2019

Figure 70: Top 50 Corporate Leaders in Heat Stabilizer Patent Development,



2000-2019

Figure 71: Code Map for Patents Targeting Heat Stabilizer Technologies, 2000-2019

Figure 72: Heat Stabilizer Materials Targeted in R&D Efforts, 2000-2019

## I would like to order

Product name: High-Temperature Heat Stabilizers: Global Markets

Product link: <https://marketpublishers.com/r/HD28039A39D2EN.html>

Price: US\$ 2,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HD28039A39D2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970