

**Heat Transfer Fluids Market by Product Type (Mineral Oils, Synthetic Fluids, Glycol-Based Fluids), End Use (Chemical & Petrochemical, Oil & Gas, Automotive, Renewable Energy, Pharmaceutical), and Region (North America, Europe, APAC, RoW) - Global Forecast to 2027**

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**Report description:**

The global market for HTFs size is estimated to USD 3.7 Billion in 2022 and is projected to reach USD 5.8 Billion by 2027, at a CAGR of 9.3% between 2022 and 2027. This is attributed to the increasing number of concentrated solar power plants with the rising demand for clean energy drives the growth of the HTF market. Moreover, HTFs plays crucial role in providing effective solutions to utilize heat more productively in various end use like food & beverage, automotive, etc.

In terms of value, glycol-based fluids are the third fastest-growing segment in HTF market, by product type, during the forecast period.

Glycol-based HTFs are odorless and high-performance fluids designed for industrial applications, with a special focus on high thermal efficiency and durability. They give high thermal efficiency and durability in industrial applications. Their enclosed system ensures cleanliness, reduces wear and tear, and eliminates filtration requirements.

In terms of value, pharmaceutical is estimated to be third fastest-growing segment in HTF market, by end-use industry, during the forecast period.

The pharmaceutical industry uses HTFs to design and manufacture new products. A wide temperature range is required because chemical reactions occur at high-temperatures, and crystallization occurs at lower temperatures during manufacturing a final product. Mineral- and silicone-based HTFs are used in pharmaceutical processing because of their thermal stability, high purity, and heat transfer efficiency. Safety is an essential criterion for using HTFs in the pharmaceutical industry. Food-grade HTFs are used in case of accidental contact takes place. These are colourless, odourless, and non-toxic.

North America region accounted for the third-largest share in the HTF market by value.

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The market in North America consists of leading manufacturing companies such as The Dow Chemical Company, Chevron, Schultz Canada Chemicals Ltd., and Exxon Mobil. The high demand for HTFs from the chemical, oil & gas, and automotive industries drives the market. According to the ICCA-chem economic analysis report, base chemicals and fertilizers dominate the chemical industry in the region. According to the Center for Strategic and International Studies (CSIS), the development of abundant tight oil and unconventional natural gas resources drives the economic growth of North America. The regional market has been segmented into the US, Canada, and Mexico.

#### Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the HTF market, and information was gathered from secondary research to determine and verify the market size of several segments. The break-up of the primaries is as follows:

- By Company Type: Tier 1 - 40%, Tier 2 - 30%, and Tier 3 - 30%

- By Designation: C Level Executives- 20%, Directors - 10%, and Others - 70%

- By Region: APAC - 30%, Europe - 30%, North America - 20%, the Middle East & Africa - 10%, and South America- 10%

The Dow Chemical Company (US), Eastman Chemical Company (US), Chevron (US), ExxonMobil (US), Shell plc (Netherlands) Lanxess (Germany), Huntsman Corporation (US), Paratherm (US), Phillips 66 Company (US), and Arkema (France) are some of the key players in the HTF market.

#### Research Coverage:

This report provides detailed segmentation of the HTF market based on by product type, by end-use industry, and region. Based on product type, the market has been segmented into mineral oils, synthetic fluids, glycol-based fluids, and others. Based on end-use industry, the market has been segmented into the market has been segmented into chemical & petrochemical, oil & gas, automotive, renewable energy, pharmaceutical, food & beverage and others.

#### Key Benefits of Buying the Report:

From an insight perspective, this research report focuses on various levels of analyses - industry analysis (industry trends), market ranking of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the HTF market; high growth regions; and market drivers, restraints, opportunities, and challenges.

#### Table of Contents:

1	INTRODUCTION	25
1.1	STUDY OBJECTIVES	25
1.2	MARKET DEFINITION	25
1.2.1	INCLUSIONS AND EXCLUSIONS	26
TABLE 1	HTF MARKET: INCLUSIONS AND EXCLUSIONS	26
1.3	STUDY SCOPE	26
1.3.1	MARKETS COVERED	26
FIGURE 1	HTF MARKET SEGMENTATION	26
1.3.2	GEOGRAPHIC SCOPE	27
1.3.3	YEARS CONSIDERED	27
1.4	CURRENCY CONSIDERED	27
1.5	UNIT CONSIDERED	28
1.6	LIMITATIONS	28
1.7	STAKEHOLDERS	28
1.8	SUMMARY OF CHANGES	29
2	RESEARCH METHODOLOGY	30
2.1	RESEARCH DATA	30

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FIGURE 2	HTF MARKET: RESEARCH DESIGN	30
2.1.1	SECONDARY DATA	31
2.1.1.1	Key data from secondary sources	31
2.1.2	PRIMARY DATA	32
2.1.2.1	Key data from primary sources	32
2.1.2.2	Primary interviews - demand and supply side	32
2.1.2.3	Key industry insights	33
2.1.2.4	Breakdown of primary interviews	33
2.2	MARKET SIZE ESTIMATION	34
2.2.1	BOTTOM-UP APPROACH	34
FIGURE 3	HTF MARKET: BOTTOM-UP APPROACH	34
2.2.2	TOP-DOWN APPROACH	34
FIGURE 4	HTF MARKET: TOP-DOWN APPROACH	34
FIGURE 5	MARKET SIZE ESTIMATION: HTF MARKET	35
2.3	CONTRIBUTION OF DRIVERS TOWARD MARKET GROWTH	36
FIGURE 6	MARKET PROJECTIONS	36
2.4	DATA TRIANGULATION	37
FIGURE 7	HTF MARKET: DATA TRIANGULATION	37
2.5	FACTOR ANALYSIS	38
2.6	RESEARCH ASSUMPTIONS	38
2.7	RESEARCH LIMITATIONS AND RISKS ASSESSMENT	38
3	EXECUTIVE SUMMARY	39
FIGURE 8	SYNTHETIC FLUIDS SEGMENT TO DOMINATE HTF MARKET, BY PRODUCT TYPE, THROUGHOUT FORECAST PERIOD	39
FIGURE 9	CHEMICAL & PETROCHEMICAL SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE FROM 2022 TO 2027	40
FIGURE 10	ASIA PACIFIC LED HTF MARKET IN 2021	41
4	PREMIUM INSIGHTS	42
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN HTF MARKET	42
FIGURE 11	GROWING DEMAND FOR RENEWABLE ENERGY APPLICATIONS TO DRIVE MARKET	42
4.2	ASIA PACIFIC: HTF MARKET, BY END USE AND COUNTRY	42
FIGURE 12	CHINA AND CHEMICAL & PETROCHEMICAL SEGMENT COMMANDED HTF MARKET IN ASIA PACIFIC IN 2021	42
4.3	HTF MARKET, BY PRODUCT TYPE	43
FIGURE 13	MINERAL OILS TO CAPTURE MAJORITY OF MARKET SHARE, IN TERMS OF VOLUME, BETWEEN 2022 AND 2027	43
4.4	HTF MARKET, BY END USE	43
FIGURE 14	CHEMICAL & PETROCHEMICAL SEGMENT TO LEAD HTF MARKET THROUGHOUT FORECAST PERIOD	43
4.5	HTF MARKET, BY COUNTRY	44
FIGURE 15	INDIA TO BE FASTEST-GROWING HTF MARKET DURING FORECAST PERIOD	44
5	MARKET OVERVIEW	45
5.1	INTRODUCTION	45
5.2	MARKET DYNAMICS	45
FIGURE 16	HTF MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	45
5.2.1	DRIVERS	46
5.2.1.1	Rapid industrialization and supportive renewable energy policies in Asia Pacific	46
FIGURE 17	INDUSTRIAL DEVELOPMENTS IN ASIA PACIFIC IN 2021	46
5.2.1.2	Growing number of concentrating solar power projects	46
TABLE 2	CONCENTRATED SOLAR POWER PLANTS WORLDWIDE	47
5.2.1.3	Increased use of HTFs to reduce operating costs and save energy	47
5.2.2	RESTRAINTS	47

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5.2.2.1	□	Volatile raw material prices	□	47
5.2.3	□	OPPORTUNITIES	□	48
5.2.3.1	□	Increasing need for energy conservation and clean energy	□	48
5.2.3.2	□	Government schemes focused on energy efficiency and renewable energy	□	48
5.2.4	□	CHALLENGES	□	49
5.2.4.1	□	Fire and explosion hazards related to thermal HTFs	□	49
	?			
5.3	□	PORTER'S FIVE FORCES ANALYSIS	□	49
FIGURE 18	□	HTF MARKET: PORTER'S FIVE FORCES ANALYSIS	□	49
TABLE 3	□	HTF MARKET: PORTER'S FIVE FORCES ANALYSIS	□	50
5.3.1	□	BARGAINING POWER OF BUYERS	□	50
5.3.2	□	BARGAINING POWER OF SUPPLIERS	□	50
5.3.3	□	THREAT OF NEW ENTRANTS	□	50
5.3.4	□	THREAT OF SUBSTITUTES	□	51
5.3.5	□	INTENSITY OF COMPETITIVE RIVALRY	□	51
5.4	□	VALUE CHAIN ANALYSIS	□	51
FIGURE 19	□	OVERVIEW OF HTF MARKET VALUE CHAIN	□	51
5.4.1	□	RAW MATERIAL SUPPLIERS	□	52
5.4.2	□	HTF MANUFACTURERS	□	52
5.4.3	□	DISTRIBUTORS	□	52
5.4.4	□	END USERS	□	52
5.5	□	ECOSYSTEM	□	52
FIGURE 20	□	ECOSYSTEM OF HTF MARKET	□	52
TABLE 4	□	HTF MARKET: ROLE OF STAKEHOLDERS IN ECOSYSTEM	□	53
5.6	□	COVID-19 IMPACT ANALYSIS	□	53
5.6.1	□	COVID-19 ECONOMIC ASSESSMENT	□	53
5.6.2	□	EFFECTS ON COUNTRY-LEVEL GDP	□	53
5.6.3	□	IMPACT ON END-USERS	□	53
FIGURE 21	□	GLOBAL PROPAGATION OF COVID-19 AT UNPRECEDENTED PACE	□	54
5.7	□	PRICING ANALYSIS	□	55
5.7.1	□	AVERAGE SELLING PRICE, BY REGION	□	55
FIGURE 22	□	HTF PRICES IN DIFFERENT REGIONS, 2020-2021 (USD/KG)	□	55
5.7.2	□	AVERAGE SELLING PRICE, BY PRODUCT TYPE	□	55
TABLE 5	□	HTF PRICES FOR DIFFERENT PRODUCT TYPES, 2020-2027 (USD/KG)	□	55
FIGURE 23	□	AVERAGE SELLING PRICE OF HTFS OFFERED BY KEY PLAYERS, BY END USE	□	56
5.7.3	□	AVERAGE SELLING PRICE, BY KEY PLAYER	□	56
TABLE 6	□	KEY PLAYERS: AVERAGE SELLING PRICE (USD/KG)	□	56
5.8	□	TRADE ANALYSIS	□	57
TABLE 7	□	IMPORT TRADE DATA FOR MEDIUM OIL FOR TOP 10 COUNTRIES, 2021 (USD MILLION)	□	57
TABLE 8	□	EXPORT TRADE DATA FOR MEDIUM OIL FOR TOP 10 COUNTRIES, 2021 (USD MILLION)	□	57
5.9	□	MACROECONOMIC DATA	□	58
TABLE 9	□	REAL AND PROJECTED GDP GROWTH OF KEY COUNTRIES, 2018-2025 (ANNUAL PERCENTAGE)	□	58
5.9.1	□	OIL PRODUCTION DATA	□	59
TABLE 10	□	OIL PRODUCTION DATA, BY COUNTRY, 2019-2021 (MILLION TONNE)	□	59
5.9.2	□	RENEWABLE ENERGY PRODUCTION DATA	□	60
TABLE 11	□	RENEWABLE ENERGY GENERATION DATA, BY COUNTRY, 2019-2021 (TERAWATT HOURS)	□	60
5.9.3	□	AUTOMOTIVE PRODUCTION DATA	□	61

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TABLE 12 AUTOMOTIVE PRODUCTION DATA, BY COUNTRY, 2019-2021 (MILLION UNITS) 61

5.10 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS 62

FIGURE 24 RISE IN ADOPTION OF RENEWABLE ENERGY TO INFLUENCE HTF MARKET 62

5.11 CASE STUDY ANALYSIS 62

5.11.1 EASTMAN OFFERED THERMINOL HEAT-TRANSFER FLUID TO INDORAMA VENTURES TO INCREASE ITS PLANT EFFICIENCY 62

5.11.2 HYDROMX SAVED 35% ENERGY COSTS BY INSTALLING GLYCOL-BASED CRAC UNITS IN CASS COUNTY ELECTRIC COOPERATIVE BUILDING 63

5.11.3 CHROMALOX AND EASTMAN MEET HIGH-TEMPERATURE DEMANDS OF CHEMICAL PRODUCTION PLANT 64

5.12 KEY CONFERENCES AND EVENTS, 2022-2023 64

TABLE 13 DETAILED LIST OF CONFERENCES AND EVENTS 64

5.13 FACTORS INFLUENCING BUYING DECISIONS 65

5.13.1 QUALITY 65

5.13.2 SERVICES 65

FIGURE 25 KEY BUYING CRITERIA 65

TABLE 14 HTF MARKET: KEY BUYING CRITERIA AND RATINGS 66

5.14 TARIFF AND REGULATORY LANDSCAPE 66

5.14.1 ASIA PACIFIC 66

5.14.2 EUROPE 67

5.14.3 NORTH AMERICA 67

5.14.3.1 US 67

5.14.3.2 Canada 68

TABLE 15 LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 68

5.15 PATENT ANALYSIS 69

5.15.1 METHODOLOGY 69

5.15.2 PATENTS GRANTED WORLDWIDE, 2011-2021 69

TABLE 16 TOTAL NUMBER OF PATENTS 69

FIGURE 26 TOTAL NUMBER OF PATENTS 69

5.15.3 PATENT PUBLICATION TRENDS 70

FIGURE 27 TOTAL NUMBER OF PATENTS DURING LAST 10 YEARS 70

5.15.4 INSIGHTS 70

5.15.5 LEGAL STATUS OF PATENTS 70

FIGURE 28 PATENT ANALYSIS, BY LEGAL STATUS 70

5.15.6 JURISDICTION-WISE PATENT ANALYSIS 71

FIGURE 29 TOP JURISDICTIONS FOR HTF PATENTS 71

5.15.7 TOP COMPANIES/APPLICANTS 71

FIGURE 30 TOP 10 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS 71

5.15.8 TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS 72

TABLE 17 TOP 10 PATENT OWNERS 72

6 HTF MARKET, BY PRODUCT TYPE 73

6.1 INTRODUCTION 74

FIGURE 31 SYNTHETIC FLUIDS SEGMENT TO LEAD HTF MARKET, BY PRODUCT TYPE, IN 2027 74

TABLE 18 HTF MARKET, BY PRODUCT TYPE, 2018-2021 (KILOTON) 74

TABLE 19 HTF MARKET, BY PRODUCT TYPE, 2022-2027 (KILOTON) 75

TABLE 20 HTF MARKET, BY PRODUCT TYPE, 2018-2021 (USD MILLION) 75

TABLE 21 HTF MARKET, BY PRODUCT TYPE, 2022-2027 (USD MILLION) 75

6.2 MINERAL OILS 76

6.2.1 DESIGNED FOR INDUSTRIAL APPLICATION BELOW 300°C 76

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6.3	SYNTHETIC FLUIDS	76
6.3.1	SUITABLE FOR HIGH-TEMPERATURE APPLICATIONS	76
6.4	GLYCOL-BASED FLUIDS	77
6.4.1	REDUCE MAINTENANCE COSTS AS THEY COMPRISE ANTI-CORROSIVE ADDITIVES	77
6.5	OTHERS	77
7	HTF MARKET, BY END USE	79
7.1	INTRODUCTION	80
	FIGURE 32 CHEMICAL & PETROCHEMICAL SEGMENT TO COMMAND HTF MARKET, BY END USE, DURING FORECAST PERIOD	80
	TABLE 22 HTF MARKET, BY END USE, 2018-2021 (KILOTON)	81
	TABLE 23 HTF MARKET, BY END USE, 2022-2027 (KILOTON)	81
	TABLE 24 HTF MARKET, BY END USE, 2018-2021 (USD MILLION)	82
	TABLE 25 HTF MARKET, BY END USE, 2022-2027 (USD MILLION)	82
7.2	CHEMICAL & PETROCHEMICAL	82
7.2.1	IMPLEMENTATION OF HTFS IN CHEMICAL PLANTS OWING TO THEIR CORROSION RESISTANCE, NONTOXICITY, AND LOW VOLATILITY PROPERTIES	82
7.3	OIL & GAS	83
7.3.1	ADOPTION OF HTFS IN OIL & GAS PLANTS TO REDUCE VIBRATIONS IN TRANSDUCERS, CABLES, AND CONTROL VALVES	83
7.4	AUTOMOTIVE	83
7.4.1	USE OF HTFS IN AUTOMOBILE BATTERIES, COMPRESSORS, AND MOTORS FOR EFFICIENT HEAT TRANSFER	83
7.5	FOOD & BEVERAGE	84
7.5.1	UTILIZATION OF HTFS AS SUBSTITUTE FOR STEAM IN FOOD PROCESSING PLANTS	84
7.6	RENEWABLE ENERGY	84
7.6.1	DEPLOYMENT OF HTFS IN CSP PLANTS DUE TO THEIR HIGH OXIDATION RESISTANCE AND THERMAL STABILITY	84
7.7	PHARMACEUTICAL	85
7.7.1	IMPLEMENTATION OF FOOD-GRADE HTFS IN PHARMACEUTICAL APPLICATIONS BECAUSE OF THERMAL STABILITY AND HIGH PURITY REQUIREMENTS	85
7.8	HVAC	85
7.8.1	CORROSION RESISTANCE AND LONG-TERM STABILITY OF HTFS TO INCREASE THEIR DEMAND FOR HVAC APPLICATIONS	85
7.9	OTHERS	85
8	HTF MARKET, BY REGION	86
8.1	INTRODUCTION	87
	FIGURE 33 ASIA PACIFIC TO CREATE LUCRATIVE OPPORTUNITIES FOR HTF MARKET PLAYERS	87
	TABLE 26 HTF MARKET, BY REGION, 2018-2021 (KILOTON)	87
	TABLE 27 HTF MARKET, BY REGION, 2022-2027 (KILOTON)	88
	TABLE 28 HTF MARKET, BY REGION, 2018-2021 (USD MILLION)	88
	TABLE 29 HTF MARKET, BY REGION, 2022-2027 (USD MILLION)	88
8.2	ASIA PACIFIC	89
	FIGURE 34 ASIA PACIFIC: HTF MARKET SNAPSHOT	89
	TABLE 30 ASIA PACIFIC: HTF MARKET, BY COUNTRY, 2018-2021 (KILOTON)	90
	TABLE 31 ASIA PACIFIC: HTF MARKET, BY COUNTRY, 2022-2027 (KILOTON)	90
	TABLE 32 ASIA PACIFIC: HTF MARKET, BY COUNTRY, 2018-2021 (USD MILLION)	90
	TABLE 33 ASIA PACIFIC: HTF MARKET, BY COUNTRY, 2022-2027 (USD MILLION)	91
	TABLE 34 ASIA PACIFIC: HTF MARKET, BY END USE, 2018-2021 (KILOTON)	91
	TABLE 35 ASIA PACIFIC: HTF MARKET, BY END USE, 2022-2027 (KILOTON)	91
	TABLE 36 ASIA PACIFIC: HTF MARKET, BY END USE, 2018-2021 (USD MILLION)	92
	TABLE 37 ASIA PACIFIC: HTF MARKET, BY END USE, 2022-2027 (USD MILLION)	92
8.2.1	CHINA	92

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### 8.2.1.1 Thriving chemical sector to drive HTF market growth 92

TABLE 38 CHINA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 93

TABLE 39 CHINA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 93

TABLE 40 CHINA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 93

TABLE 41 CHINA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 94

### 8.2.2 JAPAN 94

#### 8.2.2.1 Booming electronics industry to witness high demand for HTFs 94

TABLE 42 JAPAN: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 94

TABLE 43 JAPAN: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 95

TABLE 44 JAPAN: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 95

TABLE 45 JAPAN: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 95

### 8.2.3 INDIA 96

#### 8.2.3.1 Abundant solar energy to create new avenues for HTF business growth 96

TABLE 46 INDIA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 96

TABLE 47 INDIA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 97

TABLE 48 INDIA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 97

TABLE 49 INDIA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 97

?

### 8.2.4 SOUTH KOREA 98

#### 8.2.4.1 Flourishing electronics industry to witness high demand for HTFs 98

TABLE 50 SOUTH KOREA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 98

TABLE 51 SOUTH KOREA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 98

TABLE 52 SOUTH KOREA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 99

TABLE 53 SOUTH KOREA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 99

### 8.2.5 REST OF ASIA PACIFIC 99

TABLE 54 REST OF ASIA PACIFIC: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 100

TABLE 55 REST OF ASIA PACIFIC: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 100

TABLE 56 REST OF ASIA PACIFIC: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 100

TABLE 57 REST OF ASIA PACIFIC: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 101

### 8.3 EUROPE 101

FIGURE 35 EUROPE: HTF MARKET SNAPSHOT 102

TABLE 58 EUROPE: HTF MARKET, BY COUNTRY, 2018-2021 (KILOTON) 102

TABLE 59 EUROPE: HTF MARKET, BY COUNTRY, 2022-2027 (KILOTON) 103

TABLE 60 EUROPE: HTF MARKET, BY COUNTRY, 2018-2021 (USD MILLION) 103

TABLE 61 EUROPE: HTF MARKET, BY COUNTRY, 2022-2027 (USD MILLION) 103

TABLE 62 EUROPE: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 104

TABLE 63 EUROPE: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 104

TABLE 64 EUROPE: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 104

TABLE 65 EUROPE: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 105

### 8.3.1 GERMANY 105

#### 8.3.1.1 Strong manufacturing sector to propel market growth 105

TABLE 66 GERMANY: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 105

TABLE 67 GERMANY: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 106

TABLE 68 GERMANY: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 106

TABLE 69 GERMANY: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 106

### 8.3.2 FRANCE 107

#### 8.3.2.1 Strong base of manufacturing firms to provide impetus to use HTFs 107

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TABLE 70 FRANCE: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 107

TABLE 71 FRANCE: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 107

TABLE 72 FRANCE: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 108

TABLE 73 FRANCE: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 108

### 8.3.3 ITALY 108

8.3.3.1 Country's strong focus on environmental protection to foster market growth 108

TABLE 74 ITALY: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 109

TABLE 75 ITALY: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 109

TABLE 76 ITALY: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 109

TABLE 77 ITALY: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 110

?

### 8.3.4 UK 110

8.3.4.1 Rising use of renewable energy to spur demand for HTFs 110

TABLE 78 UK: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 110

TABLE 79 UK: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 111

TABLE 80 UK: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 111

TABLE 81 UK: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 111

### 8.3.5 SPAIN 112

8.3.5.1 Production of energy using renewables to propel market growth 112

TABLE 82 SPAIN: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 112

TABLE 83 SPAIN: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 112

TABLE 84 SPAIN: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 113

TABLE 85 SPAIN: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 113

### 8.3.6 REST OF EUROPE 114

TABLE 86 REST OF EUROPE: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 114

TABLE 87 REST OF EUROPE: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 114

TABLE 88 REST OF EUROPE: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 115

TABLE 89 REST OF EUROPE: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 115

### 8.4 NORTH AMERICA 116

FIGURE 36 NORTH AMERICA: HTF MARKET SNAPSHOT 116

TABLE 90 NORTH AMERICA: HTF MARKET, BY COUNTRY, 2018-2021 (KILOTON) 116

TABLE 91 NORTH AMERICA: HTF MARKET, BY COUNTRY, 2022-2027 (KILOTON) 117

TABLE 92 NORTH AMERICA: HTF MARKET, BY COUNTRY, 2018-2021 (USD MILLION) 117

TABLE 93 NORTH AMERICA: HTF MARKET, BY COUNTRY, 2022-2027 (USD MILLION) 117

TABLE 94 NORTH AMERICA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 117

TABLE 95 NORTH AMERICA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 118

TABLE 96 NORTH AMERICA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 118

TABLE 97 NORTH AMERICA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 118

#### 8.4.1 US 119

8.4.1.1 Increasing demand for renewable energy to boost market 119

TABLE 98 US: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 119

TABLE 99 US: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 119

TABLE 100 US: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 120

TABLE 101 US: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 120

#### 8.4.2 CANADA 120

8.4.2.1 Expertise in emerging technologies to attract major investments 120

TABLE 102 CANADA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 121

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TABLE 103 CANADA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 121

TABLE 104 CANADA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 122

TABLE 105 CANADA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 122

?

#### 8.4.3 MEXICO 123

8.4.3.1 Increased foreign investments in oil & gas industry to boost HTF market 123

TABLE 106 MEXICO: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 123

TABLE 107 MEXICO: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 123

TABLE 108 MEXICO: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 124

TABLE 109 MEXICO: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 124

#### 8.5 SOUTH AMERICA 125

TABLE 110 SOUTH AMERICA: HTF MARKET, BY COUNTRY, 2018-2021 (KILOTON) 125

TABLE 111 SOUTH AMERICA: HTF MARKET, BY COUNTRY, 2022-2027 (KILOTON) 125

TABLE 112 SOUTH AMERICA: HTF MARKET, BY COUNTRY, 2018-2021 (USD MILLION) 125

TABLE 113 SOUTH AMERICA: HTF MARKET, BY COUNTRY, 2022-2027 (USD MILLION) 126

TABLE 114 SOUTH AMERICA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 126

TABLE 115 SOUTH AMERICA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 126

TABLE 116 SOUTH AMERICA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 127

TABLE 117 SOUTH AMERICA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 127

#### 8.5.1 BRAZIL 127

8.5.1.1 Growing industrialization to boost market 127

TABLE 118 BRAZIL: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 128

TABLE 119 BRAZIL: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 128

TABLE 120 BRAZIL: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 129

TABLE 121 BRAZIL: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 129

#### 8.5.2 ARGENTINA 130

8.5.2.1 Economic recovery to favor market growth 130

TABLE 122 ARGENTINA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 130

TABLE 123 ARGENTINA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 130

TABLE 124 ARGENTINA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 131

TABLE 125 ARGENTINA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 131

#### 8.5.3 REST OF SOUTH AMERICA 132

TABLE 126 REST OF SOUTH AMERICA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 132

TABLE 127 REST OF SOUTH AMERICA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 132

TABLE 128 REST OF SOUTH AMERICA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 133

TABLE 129 REST OF SOUTH AMERICA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 133

#### 8.6 MIDDLE EAST & AFRICA 133

TABLE 130 MIDDLE EAST & AFRICA: HTF MARKET, BY COUNTRY, 2018-2021 (KILOTON) 134

TABLE 131 MIDDLE EAST & AFRICA: HTF MARKET, BY COUNTRY, 2022-2027 (KILOTON) 134

TABLE 132 MIDDLE EAST & AFRICA: HTF MARKET, BY COUNTRY, 2018-2021 (USD MILLION) 134

TABLE 133 MIDDLE EAST & AFRICA: HTF MARKET, BY COUNTRY, 2022-2027 (USD MILLION) 134

TABLE 134 MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2018-2021 (KILOTON) 135

TABLE 135 MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2022-2027 (KILOTON) 135

TABLE 136 MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION) 135

TABLE 137 MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION) 136

#### 8.6.1 SAUDI ARABIA 136

8.6.1.1 Growing oil & gas and chemicals industries to push market growth 136

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TABLE 138	SAUDI ARABIA: HTF MARKET, BY END USE, 2018-2021 (KILOTON)	137
TABLE 139	SAUDI ARABIA: HTF MARKET, BY END USE, 2022-2027 (KILOTON)	137
TABLE 140	SAUDI ARABIA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION)	137
TABLE 141	SAUDI ARABIA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION)	138
8.6.2	UAE	138
8.6.2.1	Rising demand for HTFs from oil & gas industry to support market growth	138
TABLE 142	UAE: HTF MARKET, BY END USE, 2018-2021 (KILOTON)	138
TABLE 143	UAE: HTF MARKET, BY END USE, 2022-2027 (KILOTON)	139
TABLE 144	UAE: HTF MARKET, BY END USE, 2018-2021 (USD MILLION)	139
TABLE 145	UAE: HTF MARKET, BY END USE, 2022-2027 (USD MILLION)	140
8.6.3	REST OF MIDDLE EAST & AFRICA	140
TABLE 146	REST OF MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2018-2021 (KILOTON)	140
TABLE 147	REST OF MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2022-2027 (KILOTON)	141
TABLE 148	REST OF MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2018-2021 (USD MILLION)	141
TABLE 149	REST OF MIDDLE EAST & AFRICA: HTF MARKET, BY END USE, 2022-2027 (USD MILLION)	141
9	COMPETITIVE LANDSCAPE	142
9.1	OVERVIEW	142
9.2	STRATEGIES ADOPTED BY KEY PLAYERS	142
FIGURE 37	INVESTMENTS & EXPANSIONS KEY GROWTH STRATEGY BETWEEN 2015 AND 2022	142
9.3	MARKET RANKING ANALYSIS	143
FIGURE 38	RANKING OF TOP FIVE PLAYERS IN HTF MARKET, 2022	143
9.4	MARKET SHARE ANALYSIS	144
FIGURE 39	HTF MARKET SHARE, BY COMPANY (2021)	144
TABLE 150	HTF MARKET: DEGREE OF COMPETITION	144
9.5	REVENUE ANALYSIS OF TOP PLAYERS	145
TABLE 151	HTF MARKET: REVENUE ANALYSIS, 2019 TO 2021 (USD BILLION)	145
9.6	MARKET EVALUATION MATRIX	146
TABLE 152	MARKET EVALUATION MATRIX	146
?		
9.7	COMPANY EVALUATION MATRIX	146
9.7.1	STARS	146
9.7.2	EMERGING LEADERS	147
9.7.3	PERVASIVE PLAYERS	147
9.7.4	PARTICIPANTS	147
FIGURE 40	HTF MARKET: COMPANY EVALUATION MATRIX, 2021	148
9.8	START-UPS AND SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX	149
9.8.1	RESPONSIVE COMPANIES	149
9.8.2	STARTING BLOCKS	149
FIGURE 41	HTF MARKET: START-UP AND SME MATRIX, 2022	149
9.9	COMPETITIVE BENCHMARKING	150
9.9.1	COMPANY PRODUCT TYPE FOOTPRINT	150
9.9.2	COMPANY END USE FOOTPRINT	151
9.9.3	COMPANY REGION FOOTPRINT	152
9.10	STRENGTH OF PRODUCT PORTFOLIO	153
FIGURE 42	PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN HTF MARKET	153
9.11	BUSINESS STRATEGY EXCELLENCE	154
FIGURE 43	BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN HTF MARKET	154

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9.12	COMPETITIVE SCENARIO	155
9.12.1	PRODUCT LAUNCHES	155
	TABLE 153	PRODUCT LAUNCHES
9.12.2	EXPANSIONS, COLLABORATIONS, AND INVESTMENTS	155
	TABLE 154	EXPANSIONS, COLLABORATIONS, AND INVESTMENTS
9.12.3	MERGERS & ACQUISITIONS	156
	TABLE 155	MERGERS & ACQUISITIONS
10	COMPANY PROFILES	157
10.1	MAJOR PLAYERS	157
	(Business Overview, Products/Solutions/Services Offered, Recent Developments, SWOT Analysis, and MnM View)*	
10.1.1	THE DOW CHEMICAL COMPANY	157
	TABLE 156	THE DOW CHEMICAL COMPANY: COMPANY OVERVIEW
	FIGURE 44	THE DOW CHEMICAL COMPANY: COMPANY SNAPSHOT
	TABLE 157	THE DOW CHEMICAL COMPANY: PRODUCT OFFERINGS
	TABLE 158	THE DOW CHEMICAL COMPANY: NEW PRODUCT LAUNCHES
	TABLE 159	THE DOW CHEMICAL COMPANY: OTHER DEVELOPMENTS
10.1.2	EASTMAN CHEMICAL COMPANY	161
	TABLE 160	EASTMAN CHEMICAL COMPANY: COMPANY OVERVIEW
	FIGURE 45	EASTMAN CHEMICAL COMPANY: COMPANY SNAPSHOT
	TABLE 161	EASTMAN CHEMICAL COMPANY: PRODUCT OFFERINGS
	TABLE 162	EASTMAN CHEMICAL COMPANY: NEW PRODUCT LAUNCHES
	TABLE 163	EASTMAN CHEMICAL COMPANY: DEALS
	TABLE 164	EASTMAN CHEMICAL COMPANY: OTHER DEVELOPMENTS
10.1.3	EXXONMOBIL	164
	TABLE 165	EXXONMOBIL: COMPANY OVERVIEW
	FIGURE 46	EXXONMOBIL: COMPANY SNAPSHOT
	TABLE 166	EXXONMOBIL: PRODUCT OFFERINGS
	TABLE 167	EXXONMOBIL: DEALS
10.1.4	CHEVRON	167
	TABLE 168	CHEVRON: COMPANY OVERVIEW
	FIGURE 47	CHEVRON: COMPANY SNAPSHOT
	TABLE 169	CHEVRON: PRODUCT OFFERINGS
	TABLE 170	CHEVRON: DEALS
10.1.5	HUNTSMAN CORPORATION	170
	TABLE 171	HUNTSMAN CORPORATION: COMPANY OVERVIEW
	FIGURE 48	HUNTSMAN CORPORATION: COMPANY SNAPSHOT
	TABLE 172	HUNTSMAN CORPORATION: PRODUCT OFFERINGS
10.1.6	SHELL PLC	172
	TABLE 173	SHELL PLC: COMPANY OVERVIEW
	FIGURE 49	SHELL PLC: COMPANY SNAPSHOT
	TABLE 174	SHELL PLC: PRODUCT OFFERINGS
10.1.7	LANXESS	174
	TABLE 175	LANXESS: COMPANY OVERVIEW
	FIGURE 50	LANXESS: COMPANY SNAPSHOT
	TABLE 176	LANXESS: PRODUCT OFFERINGS
10.1.8	CLARIANT AG	176
	TABLE 177	CLARIANT AG: COMPANY OVERVIEW

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TABLE 178 □ CLARIANT AG: PRODUCT OFFERINGS □ 176

10.1.9 □ WACKER CHEMIE AG □ 177

TABLE 179 □ WACKER CHEMIE AG: COMPANY OVERVIEW □ 177

FIGURE 51 □ WACKER CHEMIE AG: COMPANY SNAPSHOT □ 177

TABLE 180 □ WACKER CHEMIE AG: PRODUCT OFFERINGS □ 178

10.1.10 □ INDIAN OIL CORPORATION □ 179

TABLE 181 □ INDIAN OIL CORPORATION: COMPANY OVERVIEW □ 179

FIGURE 52 □ INDIAN OIL CORPORATION: COMPANY SNAPSHOT □ 179

TABLE 182 □ INDIAN OIL CORPORATION: PRODUCT OFFERINGS □ 180

10.1.11 □ SCHULTZ CANADA CHEMICALS LTD. □ 181

TABLE 183 □ SCHULTZ CANADA CHEMICALS LTD.: COMPANY OVERVIEW □ 181

TABLE 184 □ SCHULTZ CANADA CHEMICALS LTD.: PRODUCT OFFERINGS □ 181

\* Business Overview, Products/Solutions/Services Offered, Recent Developments, SWOT Analysis, and MnM View might not be captured in case of unlisted companies.

?

10.2 □ OTHER PLAYERS □ 182

10.2.1 □ PARATHERM □ 182

10.2.2 □ ARKEMA □ 182

10.2.3 □ BASF □ 182

10.2.4 □ DALIAN RICHFORTUNE CHEMICALS □ 182

10.2.5 □ BRITISH PETROLEUM □ 182

10.2.6 □ DUPONT TATE & LYLE □ 183

10.2.7 □ DYNALENE □ 183

10.2.8 □ HINDUSTAN PETROLEUM CORPORATION □ 183

10.2.9 □ GLOBAL HEAT TRANSFER □ 183

10.2.10 □ ISEL □ 183

10.2.11 □ PARAS LUBRICANTS LIMITED □ 183

10.2.12 □ PETRO-CANADA □ 184

10.2.13 □ PHILLIPS 66 □ 184

10.2.14 □ RADCO INDUSTRIES □ 184

10.2.15 □ SCHAEFFER SPECIALIZED LUBRICANTS □ 184

11 □ APPENDIX □ 185

11.1 □ DISCUSSION GUIDE □ 185

11.2 □ KNOWLEDGESTORE: MARKET SAND MARKETS? SUBSCRIPTION PORTAL □ 187

11.3 □ CUSTOMIZATION OPTIONS □ 189

11.4 □ RELATED REPORTS □ 189

11.5 □ AUTHOR DETAILS □ 190

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