

MARKETS AND PROFITABILITY

Market Analytics: Butadiene and Derivatives - 2022

September 2022



This Report was prepared by NexantECA Energy & Chemicals Advisory ("NexantECA"). Except where specifically stated in this Report, the information contained herein is prepared on the basis of information that is publicly available, and contains no confidential third party technical information to the best knowledge and belief of NexantECA. The information has not been independently verified or otherwise examined to determine its accuracy, completeness or financial feasibility. Neither NexantECA, Subscriber nor any person acting on behalf of either shall have any liabilities for any loss or damage arising from or connected to the use of any information contained in this Report. NexantECA does not represent or warrant that any assumed conditions will come to pass.

The Report is for Subscriber's internal use only and shall be kept strictly confidential. The Report should not be otherwise reproduced, distributed or used without first obtaining prior written consent by NexantECA. Each Subscriber agrees to use reasonable effort to protect the confidential nature of the Report.

Copyright © by NexantECA (BVI) Ltd. 2022. All rights reserved.



Contents

1	Executive Summary	1
1.1	Butadiene Market Outlook.....	1
1.2	Butadiene Rubber	5
1.3	Styrene Butadiene Rubber	6
1.4	Acrylonitrile Butadiene Styrene	8
2	The Butadiene Derivatives Industry	9
2.1	Introduction.....	9
2.1.1	The Tyre Industry	10
2.1.2	Crude C ₄ Supply.....	12
2.2	Uses of Butadiene	13
2.2.1	Butadiene Rubber	13
2.2.2	Styrene Butadiene Rubber	13
2.2.3	Acrylonitrile Butadiene Styrene	14
2.3	Sustainability	15
2.4	Market Coverage.....	17
3	Butadiene	18
3.1	Global	18
3.1.1	Key Developments	18
3.1.2	Demand.....	18
3.1.3	Supply	22
3.1.4	Supply, Demand and Trade	24
3.2	North America	26
3.2.1	Key Developments	26
3.2.2	Demand.....	26
3.2.3	Supply	30
3.2.4	Supply, Demand and Trade	31
3.3	South America.....	34
3.3.1	Key Developments	34
3.3.2	Demand.....	34
3.3.3	Supply	36
3.3.4	Supply, Demand and Trade	36
3.4	Western Europe	38
3.4.1	Key Developments	38
3.4.2	Demand.....	38
3.4.3	Supply	41
3.4.4	Supply, Demand and Trade	42
3.5	Central Europe	44
3.5.1	Key Developments	44
3.5.2	Demand.....	44
3.5.3	Supply	46
3.5.4	Supply, Demand and Trade	47



3.6	Eastern Europe	48
3.6.1	Key Developments	48
3.6.2	Demand	48
3.6.2.1	Russia	48
3.6.2.2	Other Eastern Europe	49
3.6.3	Supply	50
3.6.3.1	Russia	50
3.6.3.2	Other Eastern Europe	51
3.6.4	Supply, Demand and Trade	52
3.6.4.1	Other Eastern Europe	53
3.7	Middle East.....	55
3.7.1	Key Developments	55
3.7.2	Demand.....	55
3.7.3	Supply	57
3.7.4	Supply, Demand and Trade	58
3.8	Africa	60
3.8.1	Key Developments	60
3.8.2	Demand.....	60
3.8.3	Supply	61
3.8.4	Supply, Demand and Trade	61
3.9	Asia Pacific.....	62
3.9.1	Key Developments	62
3.9.2	Demand.....	62
3.9.2.1	China.....	62
3.9.2.2	North-East Asia.....	64
3.9.2.3	South-East Asia	65
3.9.2.4	South Asia.....	67
3.9.3	Supply	69
3.9.3.1	China.....	69
3.9.3.2	North-East Asia.....	70
3.9.3.3	South-East Asia	71
3.9.3.4	South Asia.....	72
3.9.4	Supply, Demand and Trade	73
4	Butadiene Rubber	76
4.1	Global	76
4.1.1	Key Developments	76
4.1.2	Demand.....	76
4.1.3	Supply	79
4.1.4	Supply, Demand and Trade	81
4.2	North America	83
4.2.1	Key Developments	83
4.2.2	Demand.....	83
4.2.3	Supply	85
4.2.4	Supply, Demand and Trade	86



4.3	South America	89
4.3.1	Key Developments	89
4.3.2	Demand	89
4.3.3	Supply	90
4.3.4	Supply, Demand and Trade	91
4.4	Western Europe	92
4.4.1	Key Developments	92
4.4.2	Demand	92
4.4.3	Supply	94
4.4.4	Supply, Demand and Trade	95
4.5	Central Europe	97
4.5.1	Key Developments	97
4.5.2	Demand	97
4.5.3	Supply	99
4.5.4	Supply, Demand and Trade	100
4.6	Eastern Europe	102
4.6.1	Key Developments	102
4.6.2	Demand	102
4.6.2.1	Russia	102
4.6.2.2	Other Eastern Europe	103
4.6.3	Supply	104
4.6.3.1	Russia	104
4.6.3.2	Other Eastern Europe	105
4.6.4	Supply, Demand and Trade	105
4.6.4.1	Russia	105
4.6.4.2	Other Eastern Europe	108
4.7	Middle East	110
4.7.1	Key Developments	110
4.7.2	Demand	110
4.7.3	Supply	113
4.7.4	Supply, Demand and Trade	114
4.8	Africa	115
4.8.1	Key Developments	115
4.8.2	Demand	115
4.8.3	Supply	117
4.8.4	Supply, Demand and Trade	117
4.9	Asia Pacific	119
4.9.1	Key Developments	119
4.9.2	Demand	119
4.9.2.1	China	120
4.9.2.2	North-East Asia	121
4.9.2.3	South-East Asia	123
4.9.2.4	South Asia	126
4.9.3	Supply	127



4.9.3.1	North-East Asia	128
4.9.3.2	South-East Asia	128
4.9.3.3	South Asia	129
4.9.4	Supply, Demand and Trade	132
4.9.4.1	North-East Asia	132
4.9.4.2	South-East Asia	133
4.9.4.3	South Asia	134
5	Styrene Butadiene Rubber	137
5.1	Global	137
5.1.1	Key Developments	137
5.1.2	Demand	137
5.1.2.1	Tyre Production	138
5.1.2.2	Third Party Services and E-mobility	140
5.1.2.3	Vehicle Production	140
5.1.2.4	Natural Rubber	141
5.1.3	Supply	144
5.1.4	Supply, Demand and Trade	146
5.2	North America	149
5.2.1	Key Developments	149
5.2.2	Demand	149
5.2.2.1	Tyre Production	151
5.2.2.2	Vehicle Production	153
5.2.3	Supply	154
5.2.4	Supply, Demand and Trade	156
5.3	South America	159
5.3.1	Key Developments	159
5.3.2	Demand	159
5.3.2.1	Tyre Production	160
5.3.2.2	Vehicle Production	161
5.3.3	Supply	162
5.3.4	Supply, Demand and Trade	164
5.4	Western Europe	165
5.4.1	Key Developments	165
5.4.2	Demand	165
5.4.2.1	Tyre Production	167
5.4.2.2	EU Vehicle Emissions Regulations	171
5.4.2.3	Automotive Production	171
5.4.3	Supply	172
5.4.4	Supply, Demand and Trade	173
5.5	Central Europe	175
5.5.1	Key Developments	175
5.5.2	Demand	175
5.5.2.1	Tyre Production	177
5.5.2.2	Automotive Production	178



5.5.3	Supply	179
5.5.4	Supply, Demand and Trade	180
5.6	Eastern Europe	182
5.6.1	Demand.....	182
5.6.1.1	Russia	182
5.6.1.2	Other Eastern Europe	186
5.6.2	Supply	187
5.6.2.1	Russia	187
5.6.2.2	Other Eastern Europe	188
5.6.3	Supply, Demand and Trade	188
5.6.3.1	Russia	188
5.6.3.2	Other Eastern Europe	191
5.7	Middle East.....	193
5.7.1	Key Developments	193
5.7.2	Demand.....	193
5.7.2.1	Tyre Production.....	196
5.7.2.2	Automotive Production	196
5.7.3	Supply	197
5.7.4	Supply, Demand and Trade	198
5.8	Africa	200
5.8.1	Key Developments	200
5.8.2	Demand.....	200
5.8.3	Supply	203
5.8.4	Supply, Demand and Trade	203
5.9	Asia Pacific.....	205
5.9.1	Key Developments	205
5.9.2	Demand.....	205
5.9.2.1	Tyre and Automotive Production.....	206
5.9.2.2	China	207
5.9.2.3	North-East Asia	209
5.9.2.4	South-East Asia	211
5.9.2.5	South Asia.....	214
5.9.2.6	Australasia	215
5.9.3	Supply	216
5.9.3.1	North-East Asia	216
5.9.3.2	South-East Asia	217
5.9.3.3	South Asia.....	218
5.9.4	Supply, Demand and Trade	222
5.9.4.1	China	222
5.9.4.2	North-East Asia	223
5.9.4.3	South-East Asia	224
5.9.4.4	South Asia.....	225
5.9.4.5	Australasia	225
6	Acrylonitrile Butadiene Styrene.....	228



6.1	Global	228
6.1.1	Key Developments	228
6.1.2	Demand	228
6.1.3	Supply	232
6.1.4	Supply, Demand and Trade	234
6.2	North America	236
6.2.1	Demand	236
6.2.2	Supply	239
6.2.3	Supply, Demand and Trade	240
6.3	South America	243
6.3.1	Key Developments	243
6.3.2	Demand	243
6.3.3	Supply	244
6.3.4	Supply, Demand and Trade	245
6.4	Western Europe	246
6.4.1	Key Developments	246
6.4.2	Demand	246
6.4.3	Supply	250
6.4.4	Supply, Demand and Trade	252
6.5	Central Europe	254
6.5.1	Key Developments	254
6.5.2	Demand	254
6.5.3	Supply	257
6.5.4	Supply, Demand and Trade	257
6.6	Eastern Europe	259
6.6.1	Key Developments	259
6.6.2	Demand	259
6.6.2.1	Russia	259
6.6.2.2	Other Eastern Europe	261
6.6.3	Supply	263
6.6.3.1	Russia	263
6.6.3.2	Other Eastern Europe	263
6.6.4	Supply, Demand and Trade	264
6.6.4.1	Russia	264
6.6.4.2	Other Eastern Europe	265
6.7	Middle East	267
6.7.1	Key Developments	267
6.7.2	Demand	267
6.7.3	Supply	270
6.7.4	Supply, Demand and Trade	270
6.8	Africa	272
6.8.1	Key Developments	272
6.8.2	Demand	272
6.8.3	Supply	274



6.8.4	Supply, Demand and Trade	274
6.9	Asia Pacific	275
6.9.1	Key Developments	275
6.9.2	Demand	275
6.9.2.1	China	276
6.9.2.2	North-East Asia	278
6.9.2.3	Taiwan	279
6.9.2.4	South-East Asia	279
6.9.2.5	South Asia	282
6.9.3	Supply	283
6.9.3.1	China	284
6.9.3.2	North-East Asia	284
6.9.3.3	South-East Asia	285
6.9.3.4	South Asia	286
6.9.4	Supply, Demand and Trade	290
6.9.4.1	China	290
6.9.4.2	North-East Asia	291
6.9.4.3	South-East Asia	292
6.9.4.4	South Asia	293
6.9.4.5	Australasia	293
7	Other Butadiene Derivatives	296
7.1	Global	296
7.1.1	Styrene Butadiene Latex (SB Latex)	296
7.1.2	Hexamethylene Diamine (HMDA)	297
7.1.3	Others	297
7.2	North America	298
7.2.1	Styrene Butadiene Latex (SB Latex)	298
7.2.2	Hexamethylene Diamine (HMDA)	299
7.2.3	Others	300
7.3	South America	302
7.3.1	Styrene Butadiene Latex (SB Latex)	302
7.3.2	Hexamethylene Diamine (HMDA)	302
7.3.3	Others	302
7.4	Western Europe	304
7.4.1	Styrene Butadiene Latex (SB Latex)	304
7.4.2	Hexamethylene Diamine (HMDA)	305
7.4.3	Others	306
7.5	Central Europe	309
7.5.1	Styrene Butadiene Latex (SB Latex)	309
7.6	Eastern Europe	310
7.6.1	Styrene Butadiene Latex (SB Latex)	310
7.6.1.1	Russia	310
7.6.1.2	Other Eastern Europe	310
7.6.2	Hexamethylene Diamine (HMDA) From Butadiene	311



7.6.3	Others.....	311
7.6.3.1	Other Eastern Europe	311
7.7	Middle East.....	312
7.7.1	Styrene Butadiene Latex (SB Latex).....	312
7.7.2	Hexamethylene Diamine (HMDA)	312
7.7.3	Others.....	312
7.8	Africa	313
7.8.1	Styrene Butadiene Latex (SB Latex).....	313
7.8.2	Hexamethylene Diamine (HMDA)	313
7.9	Asia Pacific.....	314
7.9.1	Styrene Butadiene Latex (SB Latex).....	314
7.9.2	Hexamethylene Diamine (HMDA)	314
7.9.3	Others.....	315

Appendices

A	Methodology	321
A.1	Market Dynamics Forecasting Methodology	321
A.1.1	Capacity Availability and Forecasting	321
A.1.2	End-Use Consumption Forecasting	321
A.1.2.1	End-Use Sector Growth	322
A.1.2.2	Penetration (New Application Growth).....	322
A.1.2.3	Downgauging and Recycling	322
A.1.2.4	Short-term Influences.....	322
A.1.3	Monomer Consumption Forecasting	322
A.1.4	Production and Trade Forecasting.....	323
B	The Butadiene Derivatives Industry	324
B.1	Technology	324
B.1.1	Butadiene	324
B.1.1.1	Extractive Distillation	324
B.1.2	Polybutadiene Rubber (BR)	325
B.1.3	Styrene Butadiene Rubber (SBR)	327
B.1.4	Acrylonitrile Butadiene Styrene (ABS)	330
B.2	Hexamethylene Diamine (HMDA) From Butadiene	332
B.2.1	Styrene Butadiene Latex (SB Latex).....	332



Figures

Figure 1	Global Butadiene Demand, 2021-e	19
Figure 2	Global GDP Growth vs. Butadiene Consumption Growth	19
Figure 3	Global Butadiene Consumption.....	21
Figure 4	Global Butadiene Capacity Share by Marketer in 2021-e	23
Figure 5	Global Butadiene Capacity Additions	23
Figure 6	Global Butadiene Capacity	23
Figure 7	Global Butadiene Supply and Demand	25
Figure 8	Regional Butadiene Net Exports/Imports	25
Figure 9	North America Butadiene Consumption, 2021-e.....	29
Figure 10	North America Butadiene Supply, Demand and Trade	32
Figure 11	United States Butadiene Supply, Demand and Trade	33
Figure 12	South America Butadiene Consumption, 2021-e	35
Figure 13	South America Butadiene Supply, Demand and Trade	37
Figure 14	Western Europe Butadiene Consumption, 2021-e.....	40
Figure 15	Western Europe Butadiene Supply, Demand and Trade	43
Figure 16	Central Europe Butadiene Consumption, 2021-e	45
Figure 17	Central Europe Butadiene Supply, Demand and Trade.....	47
Figure 18	Russia Butadiene Consumption, 2021-e.....	49
Figure 19	Russia Butadiene Supply, Demand and Trade	52
Figure 20	Other Eastern Europe Butadiene Supply, Demand and Trade	53
Figure 21	Total Eastern Europe Butadiene Supply, Demand and Trade	54
Figure 22	Middle East Butadiene Consumption, 2021-e	56
Figure 23	Middle East Butadiene Supply, Demand and Trade	59
Figure 24	Africa Butadiene Supply, Demand and Trade	61
Figure 25	Asia Pacific Butadiene Consumption, 2021-e	68
Figure 26	Asia Pacific Butadiene Supply, Demand and Trade	74
Figure 27	China Butadiene Supply, Demand and Trade.....	75
Figure 28	Global GDP Growth vs. BR Consumption Growth	78
Figure 29	Global BR Consumption by Region.....	78
Figure 30	Global BR Capacity Share by Marketer in 2021-e	80
Figure 31	Global BR Capacity Additions/(Closures).....	80
Figure 32	Global BR Capacity	80
Figure 33	Global BR Supply and Demand	81
Figure 34	Global BR Net Exports(Imports).....	82
Figure 35	North America BR Consumption by Country	85
Figure 36	North America BR Supply, Demand and Trade	86
Figure 37	United States BR Supply, Demand and Trade.....	87
Figure 38	United States BR Supply, Demand and Trade.....	88
Figure 39	South America BR Supply, Demand and Trade.....	91
Figure 40	Western Europe BR Supply, Demand and Trade	96
Figure 41	Central Europe BR Supply, Demand and Trade	101
Figure 42	Russia BR Supply, Demand and Trade	107



Figure 43	Other Eastern Europe BR Supply, Demand and Trade	108
Figure 44	Total Eastern Europe BR Supply, Demand and Trade	109
Figure 45	Middle East BR Supply, Demand and Trade.....	114
Figure 46	Africa BR Supply, Demand and Trade	118
Figure 47	Asia Pacific BR Supply, Demand and Trade.....	135
Figure 48	China BR Supply, Demand and Trade	136
Figure 49	Global SBR Consumption, 2021-e	141
Figure 50	Global GDP Growth vs. SBR Consumption Growth.....	143
Figure 51	Global SBR Consumption by Region	143
Figure 52	Global SBR Capacity Share by Marketer in 2021-e.....	145
Figure 53	Global SBR Capacity Additions/(Closures)	145
Figure 54	Global SBR Capacity	145
Figure 55	Global SBR Supply and Demand	147
Figure 56	Global SBR Net Exports(Imports)	148
Figure 57	North America SBR Consumption, 2021-e.....	150
Figure 58	North America SBR Supply, Demand and Trade	157
Figure 59	United States SBR Supply, Demand and Trade	158
Figure 60	South America SBR Consumption, 2021-e	160
Figure 61	South America SBR Supply, Demand and Trade	164
Figure 62	Western Europe SBR Consumption, 2021-e.....	166
Figure 63	Western Europe SBR Supply, Demand and Trade	174
Figure 64	Central Europe SBR Consumption, 2021-e	176
Figure 65	Central Europe SBR Supply, Demand and Trade.....	181
Figure 66	Russia SBR Consumption, 2021-e.....	183
Figure 67	Other Eastern Europe SBR Consumption, 2021-e	186
Figure 68	Russia SBR Supply, Demand and Trade	190
Figure 69	Other Eastern Europe SBR Supply, Demand and Trade.....	191
Figure 70	Total Eastern Europe SBR Supply, Demand and Trade	192
Figure 71	Middle East SBR Consumption, 2021-e.....	195
Figure 72	Middle East SBR Supply, Demand and Trade	199
Figure 73	Africa SBR Consumption, 2021-e	201
Figure 74	Africa SBR Supply, Demand and Trade	204
Figure 75	Asia Pacific SBR Consumption, 2021-e	215
Figure 76	Asia Pacific SBR Supply, Demand and Trade	226
Figure 77	China SBR Supply, Demand and Trade.....	227
Figure 78	Global ABS Consumption, 2021-e	230
Figure 79	Global GDP Growth vs. ABS Consumption Growth.....	231
Figure 80	Global ABS Consumption by Region	231
Figure 81	Global ABS Capacity Share by Marketer in 2021-e	233
Figure 82	Global ABS Capacity Additions/(Closures)	233
Figure 83	Global ABS Capacity	233
Figure 84	Global ABS Supply and Demand	234
Figure 85	Global ABS Net Exports(Imports).....	235
Figure 86	North America ABS Consumption, 2021-e.....	238



Figure 87	North America ABS Supply, Demand and Trade	241
Figure 88	United States ABS Supply, Demand and Trade	242
Figure 89	South America ABS Consumption, 2021-e	244
Figure 90	South America ABS Supply, Demand and Trade.....	245
Figure 91	Western Europe America ABS Consumption, 2021-e	250
Figure 92	Western Europe ABS Supply, Demand and Trade	253
Figure 93	Central Europe ABS Consumption, 2021-e.....	256
Figure 94	Central Europe ABS Supply, Demand and Trade	258
Figure 95	Russia ABS Consumption, 2021-e.....	261
Figure 96	Other Eastern Europe ABS Consumption, 2021-e.....	262
Figure 97	Russia ABS Supply, Demand and Trade	264
Figure 98	Other Eastern Europe ABS Supply, Demand and Trade	265
Figure 99	Total Eastern Europe ABS Supply, Demand and Trade	266
Figure 100	Middle East ABS Consumption, 2021-e.....	269
Figure 101	Middle East ABS Supply, Demand and Trade	271
Figure 102	Africa ABS Consumption, 2021-e.....	273
Figure 103	Africa ABS Supply, Demand and Trade	274
Figure 104	Asia Pacific ABS Consumption, 2021-e	283
Figure 105	Asia Pacific ABS Supply, Demand and Trade.....	294
Figure 106	China ABS Supply, Demand and Trade.....	295
Figure 107	End-Use Consumptio Drivers	321
Figure 108	Monomer Consumptrion Drivers	323
Figure 109	Trade Considerations	323
Figure 110	Polybutadiene	326
Figure 111	Styrene-Butadiene Rubber Cold Emulsion Process	328
Figure 112	Styrene-Butadiene Rubber (SBR) Solution Process.....	329
Figure 113	ABS Emulsion Process Resin Recovery and Finishing	331

Tables

Table 1	Global Butadiene Consumption by Derivative.....	19
Table 2	Global Butadiene Consumption by Region	21
Table 3	Global Butadiene Supply and Demand	25
Table 4	North America Butadiene Consumption by Derivative	29
Table 5	North America Butadiene Consumption by Country	29
Table 6	North America Butadiene Supply, Demand and Trade	32
Table 7	United States Butadiene Supply, Demand and Trade	33
Table 8	South America Butadiene Consumption by Derivative	35
Table 9	South America Butadiene Consumption by Country	35
Table 10	South America Butadiene Supply, Demand and Trade	37
Table 11	Western Europe Butadiene Consumption by Derivative	40
Table 12	Western Europe Butadiene Supply, Demand and Trade	43
Table 13	Central Europe Butadiene Consumption by Derivative	45



Table 14	Central Europe Butadiene Supply, Demand and Trade	47
Table 15	Russia Butadiene Consumption by Derivative	49
Table 16	Other Eastern Europe Butadiene Consumption by Derivative	49
Table 17	Russia Butadiene Supply, Demand and Trade	52
Table 18	Other Eastern Europe Butadiene Supply, Demand and Trade	53
Table 19	Total Eastern Europe Butadiene Supply, Demand and Trade	54
Table 20	Middle East Butadiene Consumption by Derivative	56
Table 21	Middle East Butadiene Consumption by Country	56
Table 22	Butadiene Capacity in the Middle East.....	58
Table 23	Middle East Butadiene Supply, Demand and Trade	59
Table 24	Africa Butadiene Consumption by Derivative	60
Table 25	Africa Butadiene Consumption by Country	60
Table 26	Africa Butadiene Supply, Demand and Trade	61
Table 27	Asia Pacific Butadiene Consumption by Derivative	68
Table 28	Asia Pacific Butadiene Consumption by Country	68
Table 29	Asia Pacific Butadiene Supply, Demand and Trade	74
Table 30	China Butadiene Supply, Demand and Trade.....	75
Table 31	Global BR Consumption by End-Use	77
Table 32	Global BR Consumption by Region.....	78
Table 33	Global BR Supply and Demand	81
Table 34	North America BR Consumption by End-Use	85
Table 35	BR Capacity in North America.....	85
Table 36	North America BR Supply, Demand and Trade	86
Table 37	United States BR Supply, Demand and Trade.....	87
Table 38	United States BR Supply, Demand and Trade.....	88
Table 39	South America BR Consumption by End-Use.....	90
Table 40	South America BR Consumption by Country	90
Table 41	BR Capacity in South America	90
Table 42	South America BRS Supply, Demand and Trade	91
Table 43	Western Europe BR Consumption by End-Use	94
Table 44	BR Capacity in Western Europe.....	95
Table 45	Western Europe BR Supply, Demand and Trade	96
Table 46	Central Europe BR Consumption by End-Use	99
Table 47	BR Capacity in Central Europe	99
Table 48	Central Europe BR Supply, Demand and Trade	101
Table 49	Russia BR Consumption by End-Use	103
Table 50	Other Eastern Europe BR Consumption by End-Use	104
Table 51	BR Capacity in Russia.....	105
Table 52	BR Capacity in Other Eastern Europe.....	105
Table 53	Russia BR Supply, Demand and Trade	107
Table 54	Other Eastern Europe BR Supply, Demand and Trade	108
Table 55	Total Eastern Europe BR Supply, Demand and Trade	109
Table 56	Middle East BR Consumption by End-Use.....	112
Table 57	Middle East BR Consumption by Country	112



Table 58	BR Capacity in the Middle East.....	113
Table 59	Middle East BR Supply, Demand and Trade.....	114
Table 60	Africa BR Consumption by End-Use	116
Table 61	Africa BR Consumption by Country.....	116
Table 62	Africa BR Supply, Demand and Trade	118
Table 63	Asia Pacific BR Consumption by End-Use.....	126
Table 64	Asia Pacific BR Consumption by Country	127
Table 65	China Pacific BR Capacity.....	129
Table 66	East Asia BR Capacity	130
Table 67	South-East Asia BR Capacity.....	131
Table 68	East Asia BR Capacity	131
Table 69	Asia Pacific BR Supply, Demand and Trade.....	135
Table 70	China BR Supply, Demand and Trade	136
Table 71	Global SBR Consumption by Type.....	141
Table 72	Global SBR Consumption by Region	143
Table 73	Global SBR Supply and Demand	147
Table 74	North America SBR Consumption by Type.....	150
Table 75	North American SBR Consumption by Country	151
Table 76	SBR Capacity in North America	155
Table 77	North America SBR Supply, Demand and Trade.....	157
Table 78	United States SBR Supply, Demand and Trade	158
Table 79	South America SBR Consumption by Type	160
Table 80	South America SBR Consumption by Country.....	160
Table 81	SBR Capacity in South America.....	163
Table 82	South America SBR Supply, Demand and Trade	164
Table 83	Western Europe SBR Consumption by Type	166
Table 84	EU Regulation on General Safety – Implementation of Tyre Aspects	170
Table 85	SBR Capacity in Western Europe	173
Table 86	Western Europe SBR Supply, Demand and Trade.....	174
Table 87	Central Europe SBR Consumption by Type.....	176
Table 88	SBR Capacity in Central Europe	179
Table 89	Central Europe SBR Supply, Demand and Trade.....	181
Table 90	Russia SBR Consumption by Derivative	184
Table 91	Other Eastern Europe SBR Consumption by Derivative.....	186
Table 92	SBR Capacity in Russia	188
Table 93	Russia SBR Supply, Demand and Trade	190
Table 94	Other Eastern Europe SBR Supply, Demand and Trade.....	191
Table 95	Total Eastern Europe SBR Supply, Demand and Trade.....	192
Table 96	Middle Eastern SBR Consumption by Type	195
Table 97	Middle Eastern SBR Consumption by Country	195
Table 98	SBR Capacity in the Middle East	197
Table 99	Middle East SBR Supply, Demand and Trade	199
Table 100	Africa SBR Consumption by Type.....	201
Table 101	Africa SBR Consumption by Country	201



Table 102	Africa SBR Supply, Demand and Trade	204
Table 103	Asia Pacific SBR Consumption by Type	215
Table 104	Asia Pacific SBR Consumption by Country	215
Table 105	China SBR Capacity	219
Table 106	East Asia SBR Capacity	220
Table 107	South Asia SBR Capacity	221
Table 108	South Asia SBR Capacity	221
Table 109	Asia Pacific SBR Supply, Demand and Trade	226
Table 110	China SBR Supply, Demand and Trade.....	227
Table 111	Global ABS Consumption by End-Use.....	230
Table 112	Global ABS Consumption by Region	231
Table 113	Global ABS Supply and Demand	234
Table 114	North America ABS Consumption by End-Use	238
Table 115	North America ABS Consumption by Country.....	238
Table 116	ABS Capacity in North America	239
Table 117	North America ABS Supply, Demand and Trade	241
Table 118	United States ABS Supply, Demand and Trade	242
Table 119	South America ABS Consumption by End-Use	244
Table 120	South America ABS Consumption by Country	244
Table 121	South America ABS Supply, Demand and Trade.....	245
Table 122	Western Europe ABS Consumption by End-Use	250
Table 123	ABS Capacity in Western Europe	251
Table 124	Western Europe ABS Supply, Demand and Trade	253
Table 125	Central Europe ABS Consumption by End-Use.....	256
Table 126	Central Europe ABS Supply, Demand and Trade	258
Table 127	Russia ABS Consumption by End-Use	261
Table 128	Other Eastern Europe ABS Consumption by End-Use	262
Table 129	ABS Capacity in Russia.....	263
Table 130	Russia ABS Supply, Demand and Trade	264
Table 131	Other Eastern Europe ABS Supply, Demand and Trade	265
Table 132	Total Eastern Europe ABS Supply, Demand and Trade	266
Table 133	Middle Eastern ABS Consumption by End-Use	269
Table 134	Middle Eastern ABS Consumption by Country.....	269
Table 135	ABS Capacity in the Middle East.....	270
Table 136	Middle East ABS Supply, Demand and Trade	271
Table 137	Africa ABS Consumption by End-Use	273
Table 138	Africa ABS Consumption by Country	274
Table 139	Africa ABS Supply, Demand and Trade	274
Table 140	Asia Pacific ABS Consumption by End-Use.....	283
Table 141	Asia Pacific ABS Consumption by Country	283
Table 142	China ABS Capacity	287
Table 143	East Asia ABS Capacity	288
Table 144	South-East Asia ABS Capacity	289
Table 145	South Asia ABS Capacity	289



Table 146	Asia Pacific ABS Supply, Demand and Trade.....	294
Table 147	China ABS Supply, Demand and Trade.....	295
Table 148	HMDA Capacity in North America	300
Table 149	SB Latex Capacity in North America	301
Table 150	HMDA Capacity in South America	302
Table 151	SB Latex Capacity in South America	303
Table 152	HMDA Capacity in Western Europe	306
Table 153	SB Latex Capacity in Western Europe	308
Table 154	SB Latex Capacity in Central Europe.....	309
Table 155	SB Latex Capacity in Russia	310
Table 156	SB Latex Capacity in Other Eastern Europe	310
Table 157	SB Latex Capacity in the Middle East	312
Table 158	HMDA Capacity in Asia Pacific	315
Table 159	SB Latex Capacity in China.....	317
Table 160	SB Latex Capacity in East Asia.....	318
Table 161	SB Latex Capacity in South-East Asia	318
Table 162	SB Latex Capacity in South Asia.....	319