

Contents

Preface *XXI*

List of Contributors *XXIII*

1	EU Legislation	1
	<i>Annette Schäfer</i>	
1.1	Introduction	1
1.2	Community Legislation	2
1.2.1	Horizontal Legislation	2
1.2.1.1	Framework Regulation	2
1.2.1.2	Good Manufacturing Practice	5
1.2.2	Specific Measures	6
1.2.2.1	Plastics	6
1.2.2.2	Recycled Plastics	10
1.2.3	Other Materials	11
1.2.3.1	Ceramic Articles	12
1.2.3.2	Regenerated Cellulose Film (Cellophane)	12
1.2.3.3	Rubber Teats and Soothers	12
1.2.3.4	BADGE, BFDGE, and NOGE in Coated Materials, Plastics, and Adhesives	13
1.2.3.5	Active and Intelligent Materials and Articles	13
1.2.4	Control of Food Contact Materials in the EU	17
1.2.4.1	Role of the Business Operators: Food Industry and Packaging/ Contact Material Industry	17
1.2.4.2	Role of the Member States	17
1.2.4.3	Role of the European Commission	18
1.2.4.4	Methods for Sampling and Analysis in the Official Control	18
1.3	Specific National Legislation	19
1.4	Future Trends	20
1.4.1	Plastic	20

1.4.2	Nanomaterials	20
1.4.3	Risk Assessment	24
1.4.4	Other Materials	24
	References	24
2	Petitioning Requirements and Safety Assessment in Europe	27
	<i>Paul Tobback and Rinus Rijk</i>	
2.1	Introduction	27
2.2	EFSA and its Role in Safety Evaluation of Food Contact Materials	28
2.3	Data Requirement on a Substance for its Safety Assessment by the EFSA	30
2.3.1	Introduction	30
2.3.2	Data to be Supplied within a Submission	31
2.3.2.1	General Information on the Substance	32
2.3.2.2	Information on Physical and Chemical Properties of the Substance	33
2.3.2.3	Information on the Intended Application of the Substance	35
2.3.2.4	Information on Authorization of the Substance	36
2.3.2.5	Information on the Migration of the Substance	36
2.3.2.6	Information on the Residual Content	39
2.3.2.7	Antimicrobial Substances	39
2.3.2.8	Toxicological Information	40
2.4	Evaluation Process of a Food Contact Substance	42
2.4.1	Re-Evaluation of Substances	44
2.5	Public Access to Data	46
	References	47
3	Council of Europe Resolutions	49
	<i>Luigi Rossi</i>	
3.1	Introduction	49
3.2	Activity of CoE in the 1960s–1970s	50
3.2.1	Resolution on Plastics	50
3.2.2	Guidelines for the Evaluation of Substances	50
3.2.3	Estimation of Exposure	51
3.2.4	Conventional Classification of Food	52
3.3	EU Activity and Relationship Between EU and CoE	52
3.4	Resolutions of the CoE	52
3.4.1	Procedure for the Adoption of a Resolution and Guidelines and Technical Documents	52
3.4.2	CoE Resolutions, Guidelines, and TDs	53
3.5	Status of the Packages (Resolutions, Guidelines, and Technical Documents)	54
3.5.1	Resolutions on Colorants in Plastics	54
3.5.1.1	Inventory of the Documents	54

3.5.1.2	Chronological Development	54
3.5.1.3	Content of the Resolution	54
3.5.2	Resolutions on Control of Aids to Polymerization for Plastic	54
3.5.2.1	Inventory of the Documents	54
3.5.2.2	Chronological Development	55
3.5.2.3	Content of the Resolution	55
3.5.3	Resolution on Silicones	55
3.5.3.1	Inventory of the Documents	55
3.5.3.2	Chronological Development	55
3.5.3.3	Content of the Resolution	55
3.5.4	Resolution on Paper	56
3.5.4.1	Inventory of the Documents	56
3.5.4.2	Chronological Development	56
3.5.4.3	Content of Package	56
3.5.5	Resolution on Coatings	57
3.5.5.1	Inventory of the Documents	57
3.5.5.2	Chronological Development	57
3.5.5.3	Content of the Resolution	57
3.5.6	Resolution on Cork Stoppers and Other Cork Materials	58
3.5.6.1	Inventory of the Documents	58
3.5.6.2	Chronological Development	58
3.5.6.3	Content of the Resolution	58
3.5.7	Resolution on Ion Exchange and Adsorbant Resins Used in the Processing of Foodstuffs	58
3.5.7.1	Inventory of the Documents	58
3.5.7.2	Chronological Development	59
3.5.7.3	Content of the Resolution	59
3.5.8	Resolution on Rubber Products	59
3.5.8.1	Inventory of the Documents	59
3.5.8.2	Chronological Development	59
3.5.8.3	Content of the Resolution	59
3.5.9	Resolution on Packaging Inks	60
3.5.9.1	Inventory of the Documents	60
3.5.9.2	Chronological Development	60
3.5.9.3	Content of the Resolution	60
3.5.10	Guidelines on Metals and Alloys	61
3.5.10.1	Inventory of the Documents	61
3.5.10.2	Chronological Development	61
3.5.10.3	Content of the Guidelines	61
3.5.11	Guidelines on Glass	62
3.5.11.1	Inventory of the Documents	62
3.5.11.2	Chronological Development	62
3.5.11.3	Content of the Resolution	62

3.5.12	Guidelines on Tissue Paper Kitchen Towels	62
3.5.12.1	Inventory of the Documents	62
3.5.12.2	Chronological Development	62
3.5.12.3	Content of the Guidelines	62
3.6	Transposition of the Resolutions, Guidelines, and Technical Documents	63
3.7	The Future of the CoE	63
3.7.1	Procedure of Authorization of a New Substance at National/CoE Level	64
3.8	Conclusions	64
	References	65
4	National Legislation in Germany	67
	<i>Wichard Pump</i>	
4.1	Introduction	67
4.1.1	Commodities Defined in LFGB	67
4.1.2	Basic Requirements on Commodities	68
4.1.3	BfR Recommendations	69
4.1.4	Further Requirements	71
4.2	Legal Assessment of Different Materials Classes in Food Contact	71
4.2.1	Plastic Materials	71
4.2.2	Colorants	74
4.2.3	Plastics Dispersions (BfR Recommendation XIV)	74
4.2.4	Silicones (BfR-Recommendation XV)	75
4.2.5	Rubber and Elastomers (BfR Recommendation XXI)	75
4.2.6	Hard Paraffins, Microcrystalline Waxes and Mixtures of these with Waxes, Resins, and Plastics (BfR Recommendation XXV)	77
4.2.7	Conveyor Belts Made from Gutta-Percha and Balata (BfR Recommendation XXX)	77
4.2.8	Paper, Carton, and Board	77
4.2.8.1	XXXVI: Paper, Board for Food Contact	78
4.2.8.2	XXXVI/1: Cooking and Hot-filter Paper and Filter Layers	78
4.2.8.3	XXXVI/2: Papers, Cartons, and Boards for Baking Purposes	79
4.2.8.4	XXXVI/3: Absorber Pads based on Cellulosic Fibers for Food Packaging	79
4.2.9	Artificial Sausage Casings (BfR Recommendation XLIV)	79
4.2.10	Materials for Coating the Outside of Hollow Glassware (BfR Recommendation XLVIII)	80
4.2.11	Soft Polyurethane Foams as Cushion Packaging for Fruit (BfR Recommendation IL)	80
4.2.12	Temperature-Resistant Polymer Coating Systems for Frying, Cooking, and Baking Utensils (BfR Recommendation LI)	80
4.2.13	Fillers for Commodities Made of Plastic (BfR Recommendation LII)	80

4.2.14	Absorber Pads and Packagings with Absorbing Function, in which Absorbent Materials Based on Cross-Linked Polyacrylates are Used, for Foodstuffs (BfR Recommendation LIII) 81	81
References		81
5	The French Regulation on Food Contact Materials	83
	<i>Jean Gauducheau and Alexandre Feigenbaum</i>	
5.1	Introduction	83
5.1.1	Basic Principles	84
5.1.2	Categories of Reference Binding Texts	84
5.1.2.1	Binding Texts: Lois (Laws), Décrets (Decrees), and Arrêtés (Orders)	84
5.1.2.2	Additional Information on the Texts	85
5.1.2.3	The Consumption Code (Code de la Consommation)	86
5.2	Integration of European Directives and Regulations on Food Contact Materials into the French Regulation	86
5.2.1	Main EU Regulations on Materials Intended for Contact with Food	87
5.2.2	Transposition of the Directives on Materials Intended to Come in Contact with Foodstuffs	87
5.2.2.1	Regenerated Cellulose Films	87
5.2.2.2	Plastic Materials	88
5.2.2.3	Ceramics	88
5.2.2.4	Rubber	88
5.3	Specific French Legislation on Plastic Materials Intended to Come in Contact with Food	89
5.3.1	Reference Texts on Coloring Agents for Plastic Materials	89
5.3.2	Reference Texts on Additives for Plastic Materials	89
5.3.2.1	Information Note of DGCCRF 2003-27 of 24 March 2003	89
5.3.3	Reference Texts on Recycled Materials	89
5.3.3.1	Avis of CSHPF Dated 1 June 1993	89
5.3.3.2	Avis of CSHPF Dated 7 September 1993	90
5.3.3.3	Avis of AFSSA of 27 November 2006	90
5.4	Supplementary French Legislation on Materials other than Plastics Intended to Come in Contact With Food	90
5.4.1	Introduction	90
5.4.2	Application of Regulations: the Decree 2007-766 of 10 May 2007	91
5.4.3	French Regulation on Materials in Paper and Board Intended to Come in Contact with Food	91
5.4.4	French Regulation on Materials and Articles in Rubber Intended to Come in Contact with Food	93
5.4.4.1	Note of Information 2004-64 of DGCCRF, Chapter “Rubber”	93
5.4.5	French Regulation on Materials and Articles in Silicone Elastomers Intended to Come in Contact with Food	93
5.4.6	French Regulation on Materials and Articles in Glass and Ceramics Intended to Come in Contact with Food	94

5.4.7	French Regulation on Materials and Articles in Metals Intended to Come in Contact with Food	94
5.4.7.1	General Case: Metallic Materials and Objects, Packaging	94
5.4.7.2	Household Metallic Articles and Parts of Industrial Materials	96
5.4.7.3	French Regulation on Materials and Objects in Wood Intended to Come in Contact with Food	99
5.4.7.4	French Regulation on Materials and Objects as Complexes Intended to Come in Contact with Food	100
5.5	French Regulation on Coatings Coming into Contact with Foodstuffs	100
5.6	French Regulation on Coloring Matters Used on or Within Food Packaging in Contact with Food	101
5.6.1	Preliminary Remarks	101
5.6.2	Basic Principles	101
5.6.3	French Regulation on Colorants Used in the Mass of Paper or Plastic Materials	102
5.6.3.1	Texts and Regulations	102
5.6.3.2	Instruction of 2 August 1993	102
5.6.4	French Regulation on Inks Used to Print Food Packaging	103
5.7	French Regulation on Requests for Authorization of Use of Constituents of Materials and Articles in Contact with Food	104
5.7.1	Advice of CSHPF of 9 December 1997	105
5.8	Conclusion	106
6	Dutch Legislation on Food Contact Materials	109
	<i>Rob Veraart</i>	
6.1	Introduction	109
6.2	Plastics	111
6.2.1	Nonepoxy Plastics	111
6.2.2	Epoxy Plastics	112
6.3	Paper and Board	112
6.3.1	Paper and Board for General Purpose	112
6.3.1.1	Overall Migration	113
6.3.1.2	Specific Migration	113
6.3.2	Paper for Filtering and Cooking Above 80 °C	114
6.3.2.1	Overall Migration	114
6.3.2.2	Specific Migration	114
6.4	Rubber	114
6.4.1	Categories	114
6.4.2	Positive List	117
6.4.3	Other Restrictions	118
6.5	Metals	118
6.5.1	Metals Used for the Application of Packaging Materials	118
6.5.2	Metals Used for the Application of Utensils	119
6.5.3	Restrictions	119

6.6	Glass and Glass Ceramics	119
6.7	Ceramics and Enamels	119
6.7.1	Ceramics	119
6.7.2	Enamels	120
6.8	Textiles	120
6.9	Regenerated Cellulose	121
6.10	Wood and Cork	121
6.11	Coatings	121
6.12	Colored Materials	122
6.13	Calculations	122
	References	123
7	National Legislation in Italy	125
	<i>Maria Rosaria Milana</i>	
7.1	Introduction	125
7.2	Decrees on General Principles	126
7.3	Decrees on Specific Materials	127
7.3.1	The Ministerial Decree 21 March 1973 and its Amendments	127
7.3.1.1	General Part	127
7.3.1.2	Specific Part	129
7.3.2	Ceramic	135
7.3.3	Tin Plate	135
7.3.4	Tin-Free Steel	136
7.3.5	Aluminum	137
7.3.6	Materials Without Specific Regulation	138
7.4	How to Get the List and the Text of the Italian Legislation	138
	References	138
8	Switzerland	141
	<i>Roger Meuwly and Vincent Dudler</i>	
8.1	Legislative System	141
8.1.1	Availability of Legal Texts and Official Documents	142
8.1.2	Attestation of Conformity (Letter of No Objection (LNOs))	143
8.1.3	Council of Europe	143
8.2	Food Contact Materials and Articles	144
8.2.1	Plastic Materials and Articles	144
8.2.1.1	Limits on Migration	145
8.2.1.2	Recycled Plastic Materials	146
8.2.2	Regenerated Cellulose	146
8.2.3	Materials and Articles in Ceramic, Glass, Enamel, or Other Analogue Materials	147
8.2.4	Metals and Alloys	147
8.2.5	Materials and Articles in Paper and Board	147
8.2.6	Active and Intelligent Materials and Articles	147
8.2.7	Paraffin, Waxes, and Colorants	148

8.2.8	Silicone Materials and Articles	148
8.2.9	Inks	148
8.3	Conclusions	149
	References	149
9	Legislation on Food Contact Materials in the Scandinavian Countries and Finland	151
	<i>Bente Fabech, Pirkko Kostamo, Per Fjeldal, and Kristina Salmén</i>	
9.1	Introduction	151
9.2	Legislation in Denmark	151
9.2.1	Public Control and In-House Documentation	152
9.3	Legislation in Finland	152
9.4	Legislation in Norway	153
9.4.1	The Packaging Convention of Norway and the EK Declaration	153
9.4.2	Paper and Board Food Contact Materials	154
9.4.3	Control of Critical Points	154
9.4.4	Metals in Ceramics, Glass, Metalwares, and Nonceramic Materials Without Enamel	155
9.5	Legislation in Sweden	157
9.5.1	Voluntary Agreement	157
10	Code of Practice for Coatings in Direct Contact with Food	161
	<i>Peter Oldring</i>	
10.1	Introduction	161
10.2	Contents of the Code of Practice	163
10.3	Main Points of the Code of Practice	164
10.3.1	Scope of the Code of Practice: Article 1	164
10.3.2	Good Manufacturing Practice: Article 2	165
10.3.3	Substance Lists: Articles 3, 4, and 5	166
10.3.4	Dual Use Additives – Article 6	167
10.3.5	Restrictions of Substances and Testing – Articles 7, 8 and 11	168
10.3.6	Multilayer Coatings – Article 9	168
10.3.7	Declaration of Conformity – Article 10	168
10.3.8	Risk Assessment: Annex VI	171
10.4	How can the Code of Practice be Applied?	171
10.5	Conclusions	173
	References	173
11	Estimating Risks Posed by Migrants from Food Contact Materials	175
	<i>Peter Oldring</i>	
11.1	Introduction	175
11.2	Hazard Assessment	176
11.2.1	Cramer Class I	177
11.2.2	Cramer Class II	177

11.2.3	Cramer Class III	177
11.3	Exposure Assessment	178
11.3.1	Introduction	178
11.3.2	What is Exposure?	179
11.3.3	What Data are Needed to Estimate Exposure?	180
11.3.4	Who Should be Protected in an Exposure Assessment?	180
11.3.5	Factors to Consider in an Exposure Assessment	181
11.3.6	Estimating Exposure to Migrants from Food Contact Articles	181
11.3.6.1	Simplistic	182
11.3.6.2	Deterministic	182
11.3.6.3	Probabilistic (Stochastic) Modeling	183
11.3.7	The US FDA Approach to Estimating Consumer Exposure to Migrants from Food Contact Materials	184
11.3.8	Approaches to Determining Exposure to Migrants from Packaging of Foodstuffs that could be Used in the EU	185
11.3.8.1	Overview of Dietary Surveys	185
11.3.8.2	Concentration Data	187
11.3.8.3	Packaging of Foodstuffs Containing the Migrant(s) of Interest	189
11.4	FACET: Overview of Food Contact Material Work Package and Interactions with Other Work Packages	190
11.5	Conclusions	193
	References	194
12	Compliance Testing, Declaration of Compliance, and Supporting Documentation in the EU	197
	<i>Rob Veraart</i>	
12.1	Introduction	197
12.2	Composition of the FCM	198
12.2.1	How to Demonstrate Compliance of Composition	198
12.3	Selection of Contact Conditions	199
12.3.1	Food Simulants	199
12.3.1.1	Substitute Fatty Food Simulants	201
12.3.1.2	Alternative Fatty Food Simulants	201
12.3.1.3	Reduction Factors	201
12.3.1.4	Future Developments	203
12.3.2	Selection of Time and Temperature Conditions	203
12.4	Migration Experiments	205
12.4.1	Contact Methods	205
12.4.2	Overall Migration	208
12.4.2.1	Overall Migration into Aqueous Food Simulants	208
12.4.2.2	Overall Migration into Fatty Food Simulants	208
12.4.2.3	Overall Migration into MPPO	210
12.4.3	Specific Migration	210
12.4.4	Mathematic Modeling	211
12.5	Residual Content	212

12.5.1	Worst-Case Calculations	212
12.5.2	Analytical Determination	212
12.6	Miscellaneous	213
12.6.1	Not Intentionally Added Substances	213
12.6.2	Organoleptic Testing	214
12.6.3	Other Tests	215
12.6.3.1	Demonstrating the Absence of PAHs	215
12.6.3.2	Color Release	216
12.6.3.3	Colorants Purity	217
12.7	Declaration of Compliance and Supporting Documentation	217
12.7.1	Ceramics	218
12.7.2	Plastic Materials	218
12.7.3	Materials with BADGE	219
12.7.4	Other Materials	219
	References	220

13 Food Packaging Law in the United States 223

Joan Sylvain Baughan and Deborah Attwood

13.1	Introduction	223
13.2	FDA Rules and Regulations	224
13.2.1	Definition of a Food Additive	224
13.2.2	Suitable Purity, the Delaney Clause, and FDA's Constituents Policy	225
13.3	Exemptions	226
13.3.1	"No Migration"	226
13.3.2	Functional Barrier	228
13.3.3	Prior Sanction	228
13.3.4	GRAS	229
13.3.5	Threshold of Regulation	229
13.3.6	Housewares	230
13.3.7	Basic Polymer/Resin Doctrine	232
13.3.8	Mixture Doctrine	233
13.4	The Food Contact Notification System: An Outgrowth of the Food Additive Regulation System for Food Contact Substances	233
13.4.1	Introduction	233
13.4.2	Prenotification Consultations	235
13.4.3	Requirements for an FCN	235
13.4.3.1	Comprehensive Summary	236
13.4.3.2	Chemical Identity	236
13.4.3.3	Intended Conditions of Use	236
13.4.3.4	Intended Technical Effect	236
13.4.3.5	Estimation of Dietary Intake	237
13.4.3.6	Toxicity Information	237
13.4.3.7	Environmental Information	237
13.5	The Food Additive Petition Process	238

13.6	Conclusions	239
	References	239
14	Food Packaging Law in Canada – DRAFT	243
	<i>Anastase Rulibikiye and Catherine R. Nielsen</i>	
14.1	Introduction	243
14.2	The Legal Structure	244
14.2.1	The Agencies Involved	244
14.2.2	The Laws Involved	244
14.3	The Regulatory Scheme	245
14.3.1	Mandatory Requirements: Federally Registered Establishments	245
14.3.2	Not so Voluntary Requirements	246
14.3.2.1	The NOL Process	247
14.3.2.2	The Result	251
14.4	Enforcement	252
14.5	Conclusions	252
	References	253
15	Food Packaging Legislation in South and Central America	255
	<i>Marisa Padula</i>	
15.1	South America	255
15.1.1	MERCOSUR	255
15.1.1.1	Plastic Materials	256
15.1.1.2	Elastomeric Materials	262
15.1.1.3	Adhesives	263
15.1.1.4	Waxes and Paraffins	264
15.1.1.5	Cellulosic Materials	264
15.1.1.6	Regenerated Cellulose Films	265
15.1.1.7	Regenerated Cellulose Casings	266
15.1.1.8	Metallic Materials	266
15.1.1.9	Glass	267
15.1.1.10	Legislation Update	268
15.1.1.11	Implementation of GMC Resolutions in the MERCOSUR Member States' National Legislations	268
15.1.2	Venezuela	269
15.1.3	Chile	271
15.1.4	Andean Community	271
15.2	Mexico	274
15.3	Central America	275
15.3.1	Costa Rica	276
15.3.2	El Salvador	276
15.3.3	Guatemala	276
15.3.4	Honduras	277
15.3.5	Belize	277
15.4	Cuba	277

15.5	Conclusions	277
	References	278
16	Israel's Legislation for Food Contact Materials: Set for the Global Markets	283
	<i>Haim H. Alcalay</i>	
16.1	Introduction	283
16.2	The Standards: Legislative Process in Israel	284
16.3	Technical and Expert Forums at SII	284
16.4	Voluntary Standards and "Compulsory – Official Standards"	285
16.5	Food Contact SI-5113 Provisions	286
16.6	Documentation Requirements	287
16.7	Approved Test Laboratories in Israel	287
16.8	Introducing the New Standard in Israeli	288
16.9	Imports of Packaging Materials into Israel	288
16.10	Global Israeli Approach to Food Contact Legislation	289
16.11	Kosher Regulations	289
16.12	Implementation Issues (FAQ)	289
16.13	Guiding Principles	290
	References	290
17	Rules on Food Contact Materials and Articles in Japan	291
	<i>Yasuji Mori</i>	
17.1	Introduction	291
17.2	The Food Sanitation Law	292
17.2.1	Articles of the Food Sanitation Law	292
17.3	Specifications and Standards for Food and Food Additives (Notification No. 370)	295
17.3.1	Contents	295
17.3.2	Abstract of Restrictions for Packages/Containers	296
17.3.2.1	General Restrictions (Abstracts)	296
17.3.2.2	Specifications for each Material (Abstracts and Summary)	296
17.3.2.3	Specifications for Packages/Containers for Specific Food Type (Abstract)	304
17.3.2.4	Standards for Manufacturing of Apparatus and Packages/ Containers (Abstract)	306
17.4	The Ordinance of Specifications and Standards for Milk and Milk Products	306
17.4.1	Articles of the Ordinance of Specifications and Standards for Milk and Milk Products (Abstracts)	306
17.4.2	Attached List (Specification and Standards for Milk and Milk Products)	307
17.4.3	Specifications and Standards for Apparatus, Packages/Containers, Their Materials, and Methods of Manufacturing in Attached List (Abstract)	307

- 17.4.3.1 Specifications and Standards for Apparatus, Packages/Containers, Their Materials and Methods of Manufacturing for Milk, Special Milk, Sterilized Goat Milk, Milk Making Adjustment for Constituent Part of Milk, Low-Fat Milk, No-Fat Milk, Processed Milk, and Cream (Group 1) 308
- 17.4.3.2 Specifications and Standards for Apparatus, Packages/Containers, Their Materials and Methods of Manufacturing for Fermented Milk, Lactic Acid Bacteria Drink, Milk Drink (Group 2) 310
- 17.4.3.3 Specifications and Standards for Apparatus, Package/Container, Their Materials and Methods of Manufacturing for Formulated Powder Milk (Group 3) 312
- 17.5 The Food Safety Basic Law and Relationship with the Food Sanitation Law 313
- 17.6 Industrial Voluntary Rules 314
- 17.7 Sheets of Confirmation with Compliance 316
- 17.8 Conclusions 316
References 316

- 18 China Food Contact Chemical Legislation Summary 319**
Caroline Li and Sam Bian
- 18.1 Introduction 319
- 18.2 Current Status 319
- 18.3 China Food Safety Regulatory Entity 320
- 18.4 Regulations and Rules under the China Food Hygiene (Sanitary) Law 320
- 18.5 Hygiene Standards on Food Container and Packing Material 321
- 18.6 Hygiene Standards for Food Contact Substance (Indirect Additive) 323
- 18.7 Update in China Food Contact Chemical Regulation and Forecast on Future 326
- 18.7.1 Update of China Food Contact Chemical Legislation 326
- 18.7.2 Forecast on the New Food Contact Regulation in China 326
- 18.7.2.1 Expanded Food Contact Additive Positive List 327
- 18.7.2.2 The New Food Contact Substance Notification Procedure 327
- 18.7.2.3 Future Steps 328
- 18.8 Other Food Packaging Material-Related Regulation in China: Requirements for Local Manufacturing and Import of Food Contact Materials 328
- 18.8.1 Requirements for Local Manufacturing of Food Contact Materials 328
- 18.8.2 Requirements for Importing Food Contact Materials 329
References 335

- 19 Principal Issues in Global Food Contact: Indian Perspective 337**
Sameer Mehendale
- 19.1 The Indian Subcontinent: A Study in Contrast 337
- 19.2 Food Contact Legislation 337

19.3	General Guidelines	337
19.4	Condition for Sale and License	338
19.4.1	Conditions for Sale	338
19.5	Packing and Labeling of Foods	340
19.5.1	Package of Food to Carry a Label	340
19.5.1.1	Oils	342
19.5.1.2	Milk and Infant Food Substitutes	342
19.5.1.3	Packaged Drinking Water	343
19.6	Indian Standards for Direct Food Contact	343
19.7	Methods of Analysis and Determination of Specific and Overall Migration Limits	343
19.8	Acceptability Criteria	343
19.9	Future	344
20	Southeast Asia Food Contact	345
	<i>Caroline Li and Sumalee Tangpitayakul</i>	
20.1	Singapore	345
20.2	Malaysia	346
20.3	Thailand	348
20.4	Conclusions	354
	References	354
21	Legislation on Food Contact Materials in the Republic of Korea	355
	<i>Hae Jung Yoon and Young Ja Lee</i>	
21.1	Introduction	355
21.2	Food Sanitation Act	355
21.3	Food Code	357
21.3.1	General Provision	357
21.3.2	Common Standard and Specification for Food in General	358
21.3.3	Equipment, Containers, and Packaging for Food Products	358
21.4	Data and Information Required for Submission of Food Contact Material Prior to Use	364
21.5	Labeling Standard for Food and Food Additives	365
21.6	Requirements for Importing Food Contact Materials	366
21.7	The Future Direction for Packaging Material Regulations	366
	References	367
22	Australia and New Zealand	369
	<i>Robert J. Steele</i>	
22.1	Introduction	369
22.2	Australia	370
22.3	Australia's Regulatory Framework	370
22.4	Enforcement	372
22.5	The State Food Authority	373
22.6	New Zealand	373

22.7	New Zealand's Regulatory Framework	374
22.8	Relationship with Codex	375
22.9	Food Contact Legislation	375
22.10	Recycled Material	376
22.11	Food Recall Examples Under Section 1.4.3 of the FSANZ Code	377
22.12	Conclusions	377
	References	378
	Index	379

