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[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 4](#)

[Sample Text, Table & Chart 5](#)

[Sample Profile, Table & Forecast 6](#)

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Food & Beverage Additives

US Industry Study with Forecasts for **2014 & 2019**

Study #2607 | February 2010 | \$4800 | 400 pages

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Table of Contents

EXECUTIVE SUMMARY

MARKET ENVIRONMENT

General	4
Macroeconomic Overview	5
Consumer Spending Patterns	8
Demographic Trends	10
Health & Nutritional Considerations	13
Food & Beverage Industry Overview	16
Food Overview	17
Organic Foods	20
Natural Foods	21
Kosher Foods	22
Beverage Overview	23
Active & Intelligent Packaging Overview	26
Pricing Trends & Product Mix	29
Regulatory Considerations	31
Regulatory Agencies	33
Labeling	35
Genetically Modified Food Labeling	36
Natural & Organic Food Labeling	36
International Activity	37
Foreign Trade	38

PRODUCTS

General	41
Flavors & Flavor Enhancers	44
Flavors	48
Blends	53
Aroma Chemicals	56
Essential Oils & Other	58
Flavor Enhancers	60
Hydrolyzed Vegetable Proteins	61
Monosodium Glutamate	62
Other	63
Producers	65
Alternative Sweeteners	66
Aspartame	72
Sucralose	75
Sorbitol	78
Other Polyols	79
Acesulfame Potassium (Ace-K)	82
All Other	84
Producers	89
Texturizers & Fat Replacers	91
Xanthan Gum	95
Carrageenan	97
Pectin	98
Cellulosics	100
Other	101
Producers	104

Nutraceuticals	105
Minerals	110
Vitamins	111
Probiotics	114
Herbal Extracts	116
Other	118
Producers	119
Emulsifiers	120
Characteristics	123
Producers	124
Preservatives	125
Antioxidants	128
Hindered Phenols	130
Other	132
Biocides	132
Sorbates	135
Propionates	136
Benzoates & Other	137
Producers	139
Acidulants	141
Citric Acid	144
Other	147
Producers	150
Colorants	151
Natural	155
Artificial	157
Producers	159
Enzymes	160
Rennet & Chymosin	162
Other	164
Proteases	165
Lipases	166
Carbohydrases	167
Lactases & Other	168
Producers	168
Other	169
Phosphates	171
Caffeine	172
All Other	173
Producers	175

FOOD APPLICATIONS

General	176
Processed & Frozen Foods	178
Processed & Frozen Food Overview	179
Additive Demand	181
Dairy Products	184
Dairy Product Overview	185
Additive Demand	187
Cheese	188
Other	190
Bakery Products	193
Bakery Product Overview	193
Additive Demand	195

Candy & Confectionery	198
Candy & Confectionery Overview	198
Additive Demand	200
Sauces, Condiments, Fats & Oils	203
Sauce, Condiment, Fat & Oil Overview	204
Additive Demand	206
Grain Mill Products	207
Grain Mill Product Overview	208
Additive Demand	209
Meat, Poultry & Seafood	212
Meat, Poultry & Seafood Overview	212
Additive Demand	215
Snack Foods	217
Snack Food Overview	218
Additive Demand	220
Other Foods	221
Other Food Product Overview	222
Additive Demand	224

BEVERAGE APPLICATIONS

General	228
Carbonated Soft Drinks	230
Carbonated Soft Drink Overview	231
Additive Demand	233
Diet	235
Regular	238
Fruit Beverages	239
Fruit Beverage Overview	240
Additive Demand	242
Sports Drinks	245
Sports Drink Overview	246
Additive Demand	248
Alcoholic Beverages	250
Alcoholic Beverage Overview	251
Additive Demand	254
Bottled Water	257
Bottled Water Overview	257
Additive Demand	260
Other Beverages	262
Other Beverage Overview	262
Additive Demand	265

INDUSTRY STRUCTURE

General	268
Market Share	270
Industry Restructuring	274
Competitive Strategies	276
Cooperative Agreements	278
Research & Development	281
Marketing	283
Distribution	284

(continued on following page)

Table of Contents

(continued from previous page)

COMPANY PROFILES

Ajinomoto Company	287
Archer-Daniels-Midland	290
Ashland Incorporated	295
Associated British Foods	298
BASF SE.....	300
Bell Flavors & Fragrances.....	302
Cargill Incorporated.....	304
Celanese Corporation	308
Chr. Hansen A/S.....	310
Danisco A/S.....	313
Dow Chemical Company.....	319
DuPont (EI) de Nemours.....	322
Eastman Chemical Company	324
Emerald Performance Materials LLC.....	326
Firmenich SA.....	328
FMC Corporation.....	330
Givaudan SA.....	333
Huber (JM) Corporation.....	336
Indena SpA	339
International Flavors & Fragrances.....	340
Johnson & Johnson.....	343
Jungbunzlauer AG	345
Kemin Industries Incorporated	348
Kerry Group plc.....	350
LANXESS AG	353
Martek Biosciences Corporation	354
McCormick & Company Incorporated.....	357
Michael (David) & Company Incorporated	359
Novozymes A/S.....	362
NutraSweet Company	365
Organic Dyestuffs Corporation	367
PMC Global Incorporated	368
Raisio Group plc.....	369
Royal DSM NV.....	370
Sensient Technologies Corporation	377
Sunkist Growers Incorporated	381
Symrise AG.....	383
Takasago International Corporation.....	385
Tate & Lyle plc	387
TIC Gums Incorporated.....	389
Treatt (RC) plc.....	391
WILD (Rudolf) GmbH & Company KG.....	393
Additional Companies in the Study	396

List of Tables/Charts

EXECUTIVE SUMMARY

1 Summary Table	3
-----------------------	---

MARKET ENVIRONMENT

1 Macroeconomic Indicators.....	8
2 Personal Consumption Expenditures	10
3 Population & Households	13
4 Food & Beverage Shipments	17
5 Food Shipments.....	19
Cht Food Shipments, 2009	20
6 Beverage Production.....	25
Cht Beverage Production, 2009.....	26
7 Food & Beverage Additive Pricing.....	31

PRODUCTS

1 Food & Beverage Additive Demand by Type ..	43
Cht Food & Beverage Additive Demand by Type, 2009	44
2 Flavor & Flavor Enhancer Demand by Type & Application	47
3 Flavor Demand by Type & Application.....	52
4 Flavor Enhancer Demand by Type & Application	61
5 Alternative Sweetener Demand by Type & Application	71
6 Texturizer & Fat Replacer Demand by Type & Application	94
7 Nutraceutical Demand by Type & Application	109
8 Emulsifier Demand by Type & Application...	122
9 Preservative Demand by Type & Application	127
10 Antioxidant Preservative Demand by Type ..	130
11 Biocide Preservative Demand by Type	135
12 Acidulant Demand by Type & Application ..	143
13 Citric Acid Demand in Food & Beverages....	146
14 Other Acidulant Demand in Food & Beverages	150
15 Colorant Demand by Type & Application	154
16 Enzyme Demand by Type & Application.....	162
17 Other Additive Demand by Type & Application	170

FOOD APPLICATIONS

1 Food Additive Demand by Application	177
Cht Food Additive Demand by Application, 2009	178
2 Processed & Frozen Food Shipments.....	180
3 Processed & Frozen Food Market for Additives by Type	184

4 Dairy Product Shipments	187
5 Dairy Product Market for Additives by Type	188
6 Bakery Product Shipments	195
7 Bakery Product Market for Additives by Type	197
8 Candy & Confectionery Shipments.....	199
9 Candy Market for Additives by Type.....	203
10 Sauce, Condiment, Fat & Oil Shipments	205
11 Sauce, Condiment, Fat & Oil Market for Additives by Type	207
12 Selected Grain Mill Product Shipments.....	209
13 Grain Mill Product Market for Additives by Type	211
14 Meat, Poultry & Seafood Shipments	215
15 Meat, Poultry & Seafood Market for Additives by Type	217
16 Snack Food Shipments	219
17 Snack Food Market for Additives by Type ...	221
18 Other Food Shipments	224
19 Other Food Market for Additives by Type....	227

BEVERAGE APPLICATIONS

1 Beverage Additive Demand by Application .	229
Cht Beverage Additive Demand by Application, 2009	230
2 Carbonated Soft Drink Production	233
3 Carbonated Soft Drink Market for Additives by Segment & Type	235
4 Diet Carbonated Soft Drink Market for Additives by Type	237
5 Regular Carbonated Soft Drink Market for Additives by Type	239
6 Fruit Beverage Production	242
7 Fruit Beverage Market for Additives by Type.....	245
8 Sports Drink Production	248
9 Sports Drink Market for Additives by Type ..	250
10 Alcoholic Beverage Production	253
11 Alcoholic Beverage Market for Additives by Beverage & Type.....	256
12 Bottled Water Production	260
13 Bottled Water Market for Additives by Type	262
14 Other Beverage Production	265
15 Other Beverage Market for Additives by Type	267

INDUSTRY STRUCTURE

1 US Food & Beverage Additive Sales by Company, 2009	270
Cht US Food & Beverage Additive Market Share, 2009.....	272
2 Selected Acquisitions & Divestitures	276
3 Selected Cooperative Agreements	280

Advances will be driven by increasing consumer interest in nutritionally-enriched products and all-natural foods, which promotes demand for high-value premium and natural additives.

US demand to rise 3.5% annually through 2014

US demand for food and beverage additives is forecast to expand 3.5 percent annually to \$8.5 billion in 2014. Advances will be driven by increasing consumer interest in nutritionally-enriched products and all-natural foods, which promotes demand for high-value premium and natural additives. As consumers are wary of foods with artificial-sounding ingredients, processors seeking to create "clean" ingredient labels are increasingly favoring natural additives.

Flavors, sweeteners to remain largest types

Flavor products and alternative sweeteners will remain the largest product types in the US food and beverage additive market. Although the flavor segment is generally mature, the constant emergence of new food and beverage products continues to create new demand for flavors and enhancers. The inclusion of functional additives such as probiotics in a widening array of foods and beverages will benefit demand in this segment, as these nutraceuticals are often associated with a bitter taste that must be masked by flavor additives. Additionally, the National Salt Reduction Initiative -- a coalition of cities, states and health organizations working to curb the incidence of cardiovascular disease through voluntary reductions in the amount of salt in processed foods -- will promote demand for flavor enhancers,

US Food & Beverage Additive Demand, 2009 (\$7.2 billion)



as these additives improve the flavor profile of reduced-sodium foods. Among alternative sweeteners, aspartame will continue to account for the largest share of demand, due primarily to its widespread usage in the diet carbonated soft drink segment. However, more rapid gains will be achieved by sucralose, acesulfame potassium (ace-K) and certain polyols. Additionally, trends favoring natural products will bode well for stevia sweeteners, which were approved for use as food additives by the US Food and Drug Administration in late 2008.

Among the various types of food and beverage additives, nutraceuticals -- which include vitamins, minerals, herbal extracts and probiotics -- are projected to

experience the most rapid gains. Advances will be based on the growing popularity of functional foods containing additives that promote health and wellness. Nutraceuticals will continue to expand their presence beyond traditional applications like breakfast cereal, milk, bread, yogurt and juice into a wide variety of other foods and beverages. Soft drinks, snack foods, desserts and candy are now being fortified with vitamins and minerals, while vitamins and herbal extracts are used to enhance bottled waters. Probiotics have found success in the yogurt segment and will increasingly be incorporated into a variety of other products, such as tabletop sweeteners, chocolate, nutrition bars and juice.

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Sample Text, Table & Chart

PRODUCTS

Sucralose

Sucralose is a free-flowing white crystalline powder with a high solubility in water, ethanol and methanol. It is noncaloric and noncar- iogenic (i.e., it does not promote tooth decay), making it ben- use in diet beverages, chewing gum and other reduced-calor health applications. As the only noncaloric sweetener derive ar, sucralose has appealed to consumers who are concerned a charges directed at other high intensity sweeteners and want that is natural in origin, although the process by which the su fied has caused a negative consumer response in some cases.

However, it has not been able to achieve this level of success in the large carbonated soft drink market.

Growth in demand in value terms is expected to be moderated by declining prices, as sucralose's patent protection has expired and new suppliers are entering the market. Litigation on the part of Tate & Lyle to preserve its patent protections have been unsuccessful, with the US In- ternational Trade Commission ruling that manufacturers in China did not infringe on the company's patents related to the sucralose manufacturing process.

Sucralose is a free-flowing white crystalline powder with a high solubility in water, ethanol and methanol. It is noncaloric and noncar- iogenic (i.e., it does not promote tooth decay), making it ben- use in diet beverages, chewing gum and other reduced-calor health applications. As the only noncaloric sweetener derive ar, sucralose has appealed to consumers who are concerned a charges directed at other high intensity sweeteners and want that is natural in origin, although the process by which the su fied has caused a negative consumer response in some cases.

75

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TABLE V-3

CARBONATED SOFT DRINK MARKET FOR ADDITIVES
 BY SEGMENT & TYPE
 (million dollars)

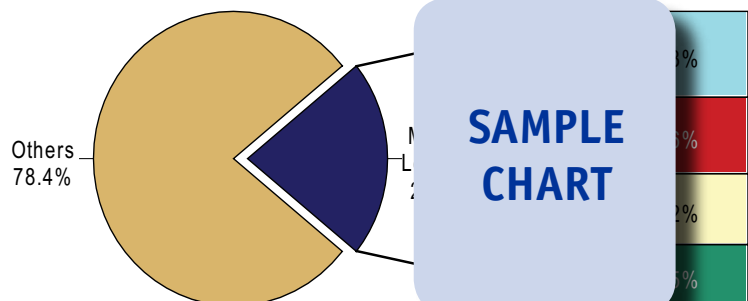
Item	1999	2004	2009	2014	2019
Carb Soft Drink Production (mil gal) 1					0
\$ additives/000 gal soft drinks					7
Carbonated Soft Drink Additives					0
By Segment:					
Diet					8
Regular					2
By Type:					
Alternative Sweeteners					5
Flavors & Flavor Enhancers					7
Acidulants					3
Other					5
% carbonated soft drinks					3
Total Beverage Additive Demand					0

SAMPLE TEXT

SAMPLE TABLE

CHART VI-1

US FOOD & BEVERAGE ADDITIVE MARKET SHARE, 2009
 (\$7.2 billion)

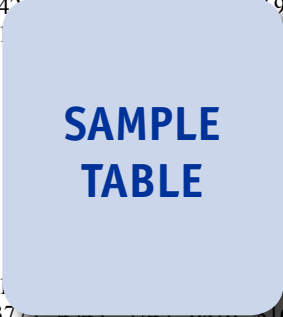


SAMPLE CHART

Sample Profile, Table & Forecast

TABLE IV-7
BAKERY PRODUCT MARKET FOR ADDITIVES BY TYPE
 (million dollars)

Item	1999	2004	2009	2014	2019
Bakery Product Shipments (bil \$)	42	47	52	57	59.1
\$ additives/000\$ bakery products	1.5	1.6	1.7	1.8	1.9
Bakery Product Additive Market					100
Flavors & Flavor Enhancers					72
Texturizers & Fat Replacers					90
Emulsifiers					30
Enzymes					35
Other					23
% bakery products					1.5
Total Food Additive Demand	3775	4345	5145	6010	6160



COMPANY PROFILES

Kemin Industries Incorporated

2100 Maury Street
 Des Moines, IA 50317
 515-559-5100
<http://www.kemin.com>

Annual Sales:
 Employment:

Key Products:



Kemin Industries is a leading manufacturer of food and food ingredients, including preservatives, antioxidants, and nutraceuticals. The Company is privately held.

The Company is active in the US food and beverage industry through the operations of its Kemin Food Ingredients subsidiary (Des Moines, Iowa). Kemin Food Ingredients manufactures and markets such food and beverage additives as preservatives and nutraceuticals.

Preservatives from Kemin Food Ingredients are marketed under the SHIELD and FORTIUM brand names, and are designed to improve the shelf life and quality of processed foods. SHIELD products are preservatives that inhibit the growth of bacteria, mold and yeast in baked goods. Among applications for these products are tortillas, bread, cakes and other cereal-based foods. The company's FORTIUM product line encompasses antioxidants that are based on rosemary extract or delta-tocopherols. These products are suitable for use in the preservation of meat and poultry, fried foods, bread, crackers, spices and seasonings, fats, oils, margarine, salad dressings, condiments and ready-made meals. FORTIUM products are engineered to preserve the natural flavors, aromas, colors and nutritional value of foods. The

"Demand for food additives in bakery products is forecast to rise at an annual pace of 2.9 percent to \$912 million in 2014. Gains will be restricted by trends toward healthier eating and continued efforts on the part of consumers to limit their intake of carbohydrates, a lingering effect of the low-carb diets popular in the early 2000s. On the other hand, demand will benefit from the decline of home baking (which typically uses fewer additives) and continued growth in the bakery product industry. A leveling off of consumer interest in no-fat and low-fat products will also impact the product mix of bakery additives as ..."

--Section IV, pg. 195

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OTHER STUDIES

Enzymes

US demand for enzymes will rise 4.8% annually through 2014. Gains will be driven by continued expansion of higher-value specialty enzymes in pharmaceuticals, diagnostics, research and biotechnology, and biocatalysts. In the biofuels segment, growth will moderate as the industry transitions to cellulases for producing biomass ethanol. This study analyzes the \$2.2 billion US enzymes industry, with forecasts for 2014 and 2019 by market and product. It also evaluates company market share and profiles industry competitors.

#2670 September 2010..... \$4900

World Flavors & Fragrances

Global demand for flavors and fragrances is projected to increase 4.3% annually to 2014. Overall advances will be stimulated by gains in food and beverage processing, the largest market. The best opportunities will be found in developing areas, particularly the Asia/Pacific region. This study analyzes the \$19 billion world flavor and fragrance industry, with forecasts for 2014 and 2019 by product, market, world region and for 19 countries. It also evaluates company market share and profiles industry players.

#2673 August 2010..... \$5800

World Salt

Global salt demand will rise 2.6% yearly through 2013. Growth in developing countries will more than offset an expected contraction of salt demand in developed economies. The large chemical manufacturing market will generate most new demand, due to rapid growth in Chinese chemical production. This study analyzes the \$9.7 billion world salt industry, with forecasts for 2013 and 2018 by salt market, production method, world region and for 20 countries. It also evaluates company market share and profiles industry participants.

#2597 03/2010..... \$5700

Soy Chemicals

US soy chemical demand will grow 7.8% annually through 2013, driven by the continued penetration of biodiesel, and by the adoption of alternatives to traditional, petrochemical-based materials in manufacturing. Soy oil derivatives such as methyl soyate, polyols, soy-based foamed plastics, waxes and fatty acids hold particularly good prospects. This study analyzes the \$1.9 billion US soy chemical industry, with forecasts for 2013 and 2018 by product and market. It also evaluates market share and profiles industry players.

#2538 09/2009..... \$4700

Alternative Sweeteners

US demand for alternative sweeteners is projected to grow 3.4% annually through 2013, as food processors and consumers seek healthier food options with fewer calories or less high fructose corn syrup. Sucralose, acesulfame potassium (ace-K), erythritol and stevia extract rebiana (reb-A) will see above average gains. This study analyzes the \$1.1 billion US alternative sweetener industry, with forecasts for 2013 and 2018 by product and market. It also evaluates market share and profiles industry players.

#2497 05/2009..... \$4600

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