

MILK PROTEIN CONCENTRATE INGREDIENTS MARKET



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This comprehensive report is based on in-depth interviews with food companies completed by a desk review. It provides for DECISION MAKERS a global understanding of the sector as well as an outlook on its future.

MARKET ANALYSIS

- New trends and perspectives
- Sales by country and ingredient category
- Production volumes by country
- Suppliers
- Users



APPLICATIONS

- Dietetic & Sport & Slimming foods
- Cheese making
- Dairy products
- Meal replacement
- Nutritional beverages
- Clinical Nutrition



COUNTRIES COVERED

- North America
- South America
- Western Europe
- Eastern Europe
- Australia – New Zealand
- Asia



INGREDIENTS COVERED

- MPC
- MPI
- Co-precipitates
- Blends
- TMP



OBJECTIVES

MARKET

Food consumption trends and expectations

Consumer market trends by food segments

Prospective

MANUFACTURERS

Food industry orientations

Applications in food segments

Consumption

RESEARCH

New researches and new developments

INTRODUCTION

Milk protein concentrate (MPC) is skim milk that has been concentrated by ultra-filtration to retain most of the protein (casein and whey proteins) while removing much of the water and some of the lactose, ash and other solids.

Milk protein concentrate possess a number of technical characteristics such as solubility, high water retention, foaming and gelation.

No.	Functional Properties	Applications
1	Water binding, thickening and viscosity	Soups and sauces, meat products, bakery products, confectionary, chocolate, yogurt, cheese
2	Emulsification	Soups and sauces, ice cream, confectionary, meat products, coffee whitener
3	Foaming and whipping	Ice cream, desserts, whipped toppings
4	Gelation	Cheese, yogurt, bakery, confectionary
5	Heat stability	Recombined milk, soups and sauces, and enteral and clinical nutrition
6	Color/flavor development	Chocolate, confectionary

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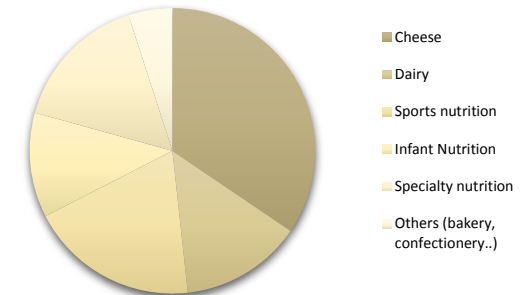
MARKET APPLICATION

Milk protein concentrates (MPC) are used in a wide range of foods including ice cream, nutrition bars, processed cheese products and baked goods. A survey of milk protein product purchasers provided information on how these products are used in the U.S. market:

MPC purchases are dominated by two end-use applications: processed cheese products and specialty nutrition products. Over 90 percent of all MPC used in the production of processed cheese products was MPC 70-79 (mainly MPC 70).

Almost all MPC purchases for use in specialty nutrition (sports, medical and clinical nutrition, geriatric nutrition) had very high-protein concentration (80 percent or greater). 90% MPCs are for low sugar or lactose free products.

Share of MPC global Market by application



	Cheese	Dairy	Sports nutrition	Others	World market
MPC 50/56	+	+			
MPC 70	+				
MPC 80/85	+		+		
MPI	+		+		
Volumes					

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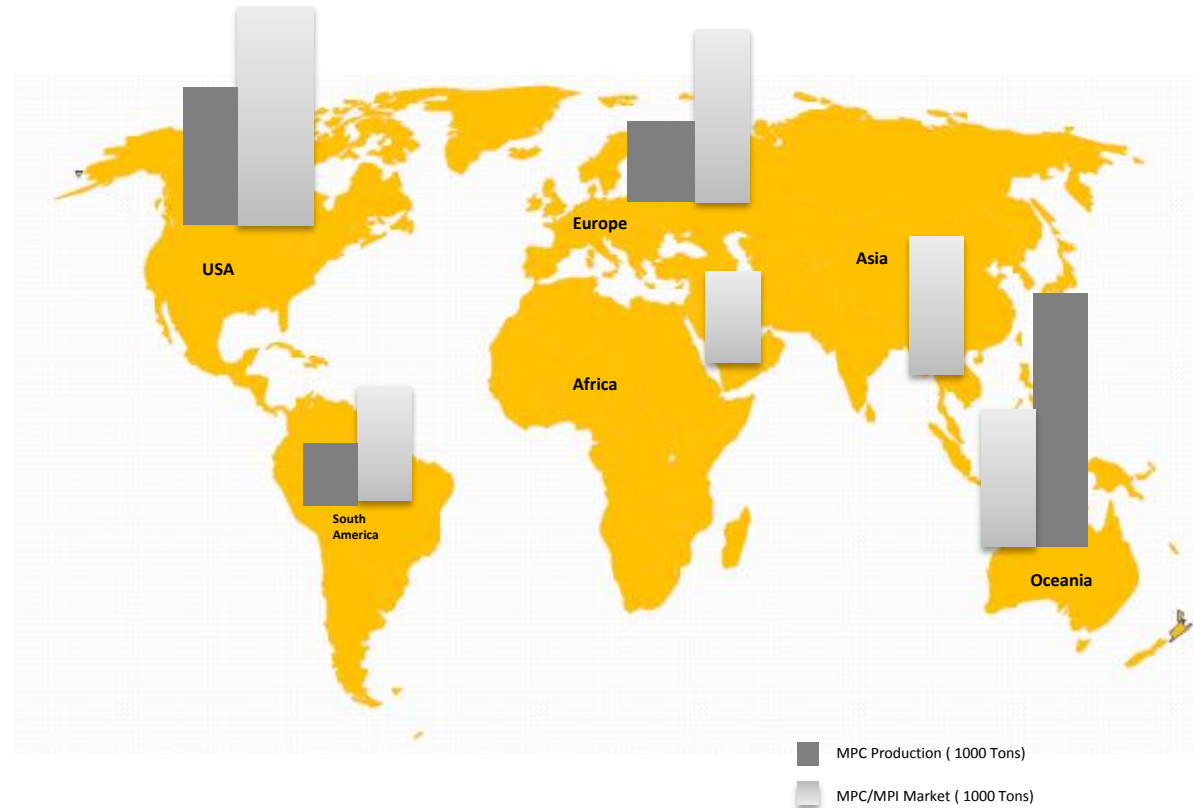
Consumption

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MARKET SIZE BY REGION

Total world dairy protein ingredients market in 2016 was evaluated at x,xxx,xxx tons with value of xx,xxx mio \$.
The world market for MPC/ MPI was estimated at xxx,xxx tons in 2016 with the US market being the largest at xx,xxx tons.



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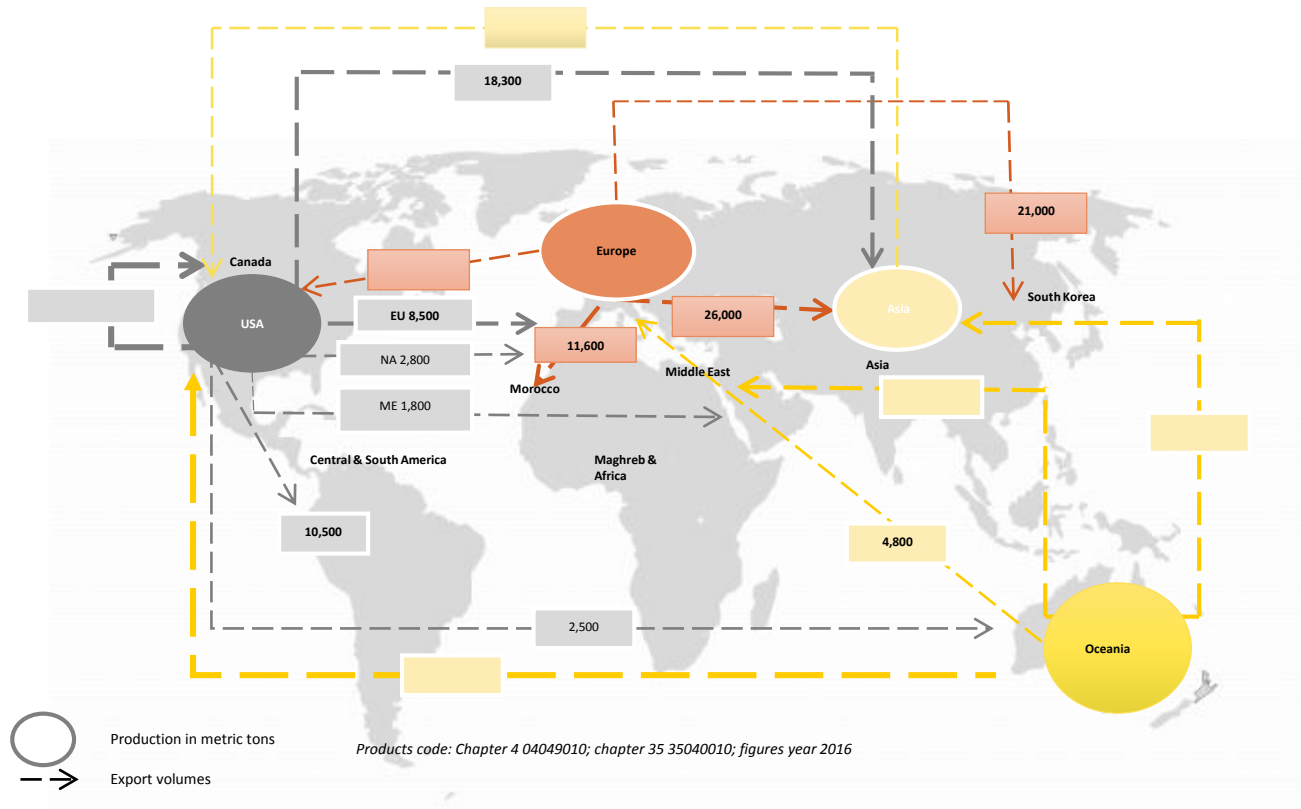
Applications in food segments

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MAIN TRADES OF MPC AND MPI IN THE WORLD



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MARKET SIZE BY REGION

U.S.

The U.S. market for MPC in 2016 reached xx,xxx tons annually. Domestic production of MPC used to be limited, but commercial production of MPC in the United States began in 2003 and reached xx,xxx metric tonnes in 2016. US exports of MPC were xx,xxx tonnes in 2016.

In 2016, US imports of MPC were measured at xx,000 metric tonnes (Chapter 4 MPC + chapter 35 MPC). Chapter 4 MPC accounts for the largest share at 78%. In 2016, New Zealand supplied about 94% of US imports of Chapter 4 MPC and 81% of total US MPC imports, taking both codes together. Other suppliers of MPC imports to the U.S. market include Australia, Canada, and India.



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