



# Micronutrient blends for emergency and therapeutic foods

Providing vital nutrition for those most in need

## Emergency foods: an overview

During emergency situations, such as natural disasters or political conflicts, the nutrient intake of affected populations can be deeply impacted, with potentially serious health implications. Emergency foods ensure that these vulnerable groups have access to the calories and micronutrients they need.

In these situations, food supplies often include convenient, high energy foods such as biscuits and bars made with specific micronutrient blends, or fortified staple foods like flour for baking bread. The main purpose of such foods is to give at-risk groups quick and reliable access to essential micronutrients and energy, helping to prevent deficiencies and malnutrition.

## Therapeutic foods: an overview

Therapeutic foods are used to treat individuals who are acutely malnourished and underweight, people who are at risk of malnutrition, or those with underlying diseases who need additional nutritional support. Providing a complete profile of macro- and micronutrients, therapeutic foods are specially designed to help these groups return to an optimal nutritional status.

After medical assessment, therapeutic foods are distributed by governments and non-government organizations (NGOs) to highly vulnerable populations, under prescription.



## A range of solutions

DSM provides micronutrient blends for a variety of therapeutic foods. These fit into several categories, the most common of which are porridges and ready-to-use foods.

### Porridges

Corn and soy based porridges, featuring extruded ingredients, milk powder and micronutrients, provide a full nutritional solution. These are often distributed through healthcare channels, but can be used at home and need to be cooked prior to consumption.



## Why DSM?

When working with vulnerable populations, quality is key. DSM's extensive experience in emergency and therapeutic foods means we can provide our customers with the high-quality micronutrients and micronutrient blends they need to develop effective solutions. Our Quality for Life™ promise provides complete reassurance that the ingredients used are safe in terms of quality, reliability and traceability.

### Ready-to-use

There are a number of ready-to-use options available on the market that require no cooking before use.

#### Ready-to-use therapeutic foods (RUTF)

High in both calories and micronutrients, designed to address deficiencies and treat undernutrition, while also promoting weight gain. RUTF are distributed in clinical settings, but can also be used in the home environment.

#### Ready-to-use supplementary foods (RUSF)

Can be used at home to treat and/or prevent moderate malnutrition.

#### F75/F100

Used only in hospital settings, F75 and F100 are therapeutic milks, which contain specially formulated levels of nutrients for careful re-feeding of those suffering from extreme malnutrition.

## Partnership success story: SuperCereal and SuperCereal Plus

DSM and the World Food Programme (WFP) have been partners since 2007, developing cost-effective, sustainable and nutritious food solutions that have helped over 31.1 million people worldwide. DSM's technical expertise and scientific know-how has helped WFP significantly improve the formulation of its widely used SuperCereal, for children aged two years and older, and SuperCereal Plus for infants from six to 24 months old.

## Talk to us

DSM's scientific knowledge and technical capabilities make us an ideal partner in developing solutions for emergency and therapeutic foods. Get in touch to find out more about how we can help you in the fight against malnutrition: [nutrition.improvement@dsm.com](mailto:nutrition.improvement@dsm.com).



® For DSM, quality is a way of life. This is the core of Quality for Life™.

Quality for Life™ is the mark of quality, reliability and traceability. It means that DSM customers are getting the best nutrition & health ingredients, knowing the source on which they depend. Quality for Life™ means sustainability. It symbolizes our commitment to our environment, consumers, our business partners, our people and the regulatory framework that governs our operations. With the Quality for Life™ seal, we guarantee peace of mind for you and for your customers.

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