

Self Heating Meals™



Presentation - Military Ration Packs

Self-Heating Meals (MRE) and Std Dry Ration Packs

05 February 2015



RESPONSIBILITY FOR OBTAINING FOOD

Distinction between civilian food and military rations:

- In civilian life—responsibility for obtaining food—belongs to the individual
- In military life—obtaining, distributing and preparing—charged to command

Important questions:

- Is the nutrient content adequate?
- Will it be palatable?
- Is it acceptable to the troops?
- What will be its effect on general health and biochemical balance?
- Is there sufficient variety?
- Can it be packed sturdily and compactly?
- Is it of minimum weight and bulk?
- Can it be transported , air-dropped if necessary?
- Is it stable under a broad range of climate conditions?



CIATION



Halal

PRODUCT/S:

6 DAY RATION PACK - PORTION C
READY TO MIX - DRY: Porridge - Regular, Whole Wheat, Chocolate, Banana, Wheat, Stiff Maize. Soup - Tomato, Mushroom, Vegetable, Chicken, Mutton, Mushroom. Isotonic Drink - Pineapple & Grape, Raspberry & Peach, Lemon/Lime & Orange, Peach & Pineapple, Raspberry & Grape. Lactose Free Milk - Peach, Strawberry, Caramel, Capuchino, Vanilla, Maas. Rooibos Tea, Coffee Sachets, Creamer Sachets, Ceylon Tea.

Local and National Office Certify
 The seal Halal are in accordance
 are suitable to be consumed











Food Safety Management System
 has been awarded this certificate for compliance with the standard
 HACCP-EC-01 (ISO/DIS 22000)

PRODUCT SPECIFICATION

- Required Nutritional Value (RDI) :> 1,200 kcal (5,000kJ)
- Method of delivery: road, rail, sea and air
- Intended to eat for maximum 21 days
- Packing: with stand parachute drop from 380m and non-parachute drop of 30m
- Storage and shelf-life: 3 years at 27C and 9 months at 38C
- Weight: each Meal, Ready-to-Eat (MRE) weighs >510 grams depending on the menu
- Certification; All certification required available upon request

PRODUCT RANGE

- Self-Heating Meals
- Self-Heating Drinks
- Standard Dry Ration Packs



TYPE OF MEALS

Self-heating meals:

- Beef and Soya Sauce
- Spicy Chicken
- Beef and Bean Curd
- Chicken Strips
- Chicken Biryani



Military design:

- Camouflage (meals designed and packed according to client's requirements)

Self-heating noodles:

- Beef spare ribs
- Hot and spicy chicken
- Chicken and mushroom
- Chicken curry
- Barbecue steak
- Tomato and beef



Military 24 hour Ration Pack:

- 1.4kg



SELF-HEATING MEALS COMPONENTS

The self-heating meals consist of the following components:

- Outer tub with a water sachet, fixed to the bottom of the tub. A brace is connected to the water sachet that will allow the water to activate the heating process.
- Rice tub sealed with a strong virgin plastic cover (manufacturing date as well as the expiry date are visible)
- A plastic spoon with an orange colour is visible and sealed in a sterilized plastic bag.
- The outer sleeve, with full colour print, is visible
- The heat pack is covered in a very strong plastic, marked in red
- The dish bag is where the meat and sauce are kept in (The dish bag is manufactured out of a 7 layer foil pouch).



SELF-HEATING

Self Heating Noodles (Noodle Cup)

- Noodle Cup is our most popular product due to the volume of food provided at a very low cost. The taste, flavour and texture of our noodle dishes are also our trade secret. Noodle Cup has been developed over several years, improving in both technology and taste, making it one of the best in the world with regard to cost, nutritional value and taste.

Flavours:

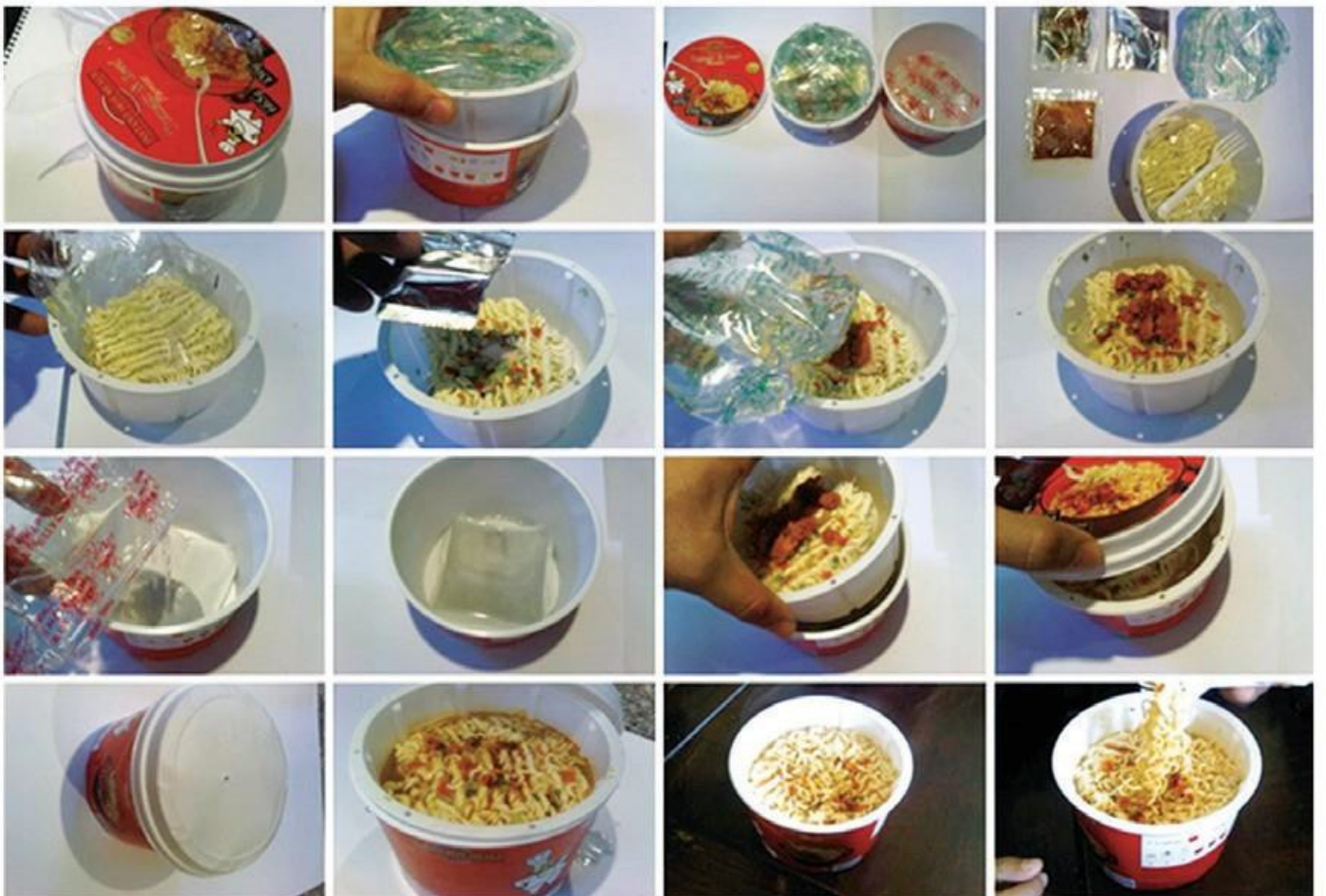
- Beef spare ribs
- Hot and spicy chicken
- Chicken and mushroom
- Chicken curry
- Barbecue steak
- Tomato and beef



Noodle Cup

SELF-HEATING

Noodle Cup can be can be customized to suit the requirements of our client, the flavor and appearance can be modified at a low cost.



SELF-HEATING BEVERAGES

We are in partnership with Self-Heating 2GO Beverages and can provide our customers with a the perfect hot beverage i.e. coffee, cappuccino, hot chocolate or soup while on safari, travel, hunting, fishing, hiking etc.

Say goodbye to the microwave as it is now as easy to get a coffee or a hot soup with a little click followed by 3 minutes of waiting. This may seem strange but behind this curious drink hides a simple chemical reaction: the can is divided into three compartments for drinking, calcium oxide and water. Removing the sheet and pressing the sheet at the base of the can, allows to break the partition between water and calcium oxide and to initiate an exothermic reaction (generating heat) that lasts three minutes. The properties of this reaction can maintain heat for twenty minutes.

Although other companies have tried to enter this market, 2GOB, made their mark on the international market with great success. We are constantly developing new uses for our devices with plenty new flavours and types of beverages to suit a range of customers and tastes around the world.



STANDARD DRY RATION PACKS

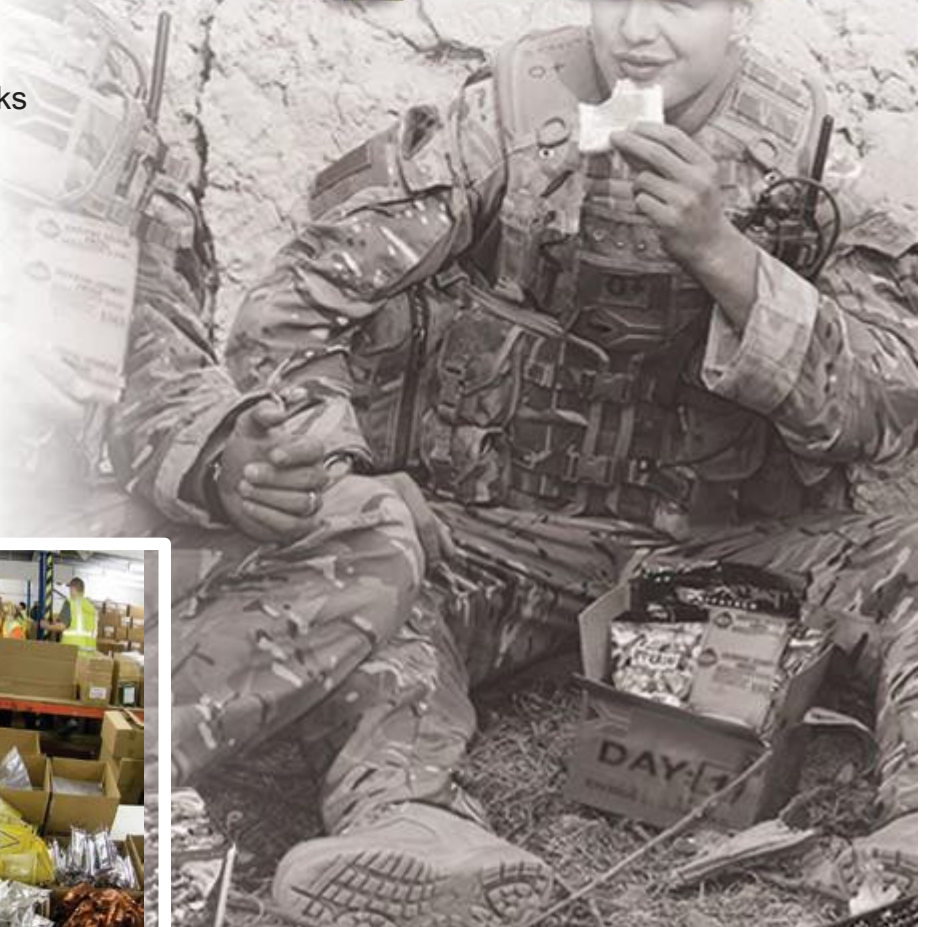
The ration packs are put together in a manner to enable the soldier to easily repack the food pack into his daypack (backpack) and to eat and drink the various foods and drinks over a period of 18 hrs. (breakfast, day snacks and dinner).

Food can be heated by using individual heating fuel tables (included with matches), energy drinks are mixed in plastic sachets that are included in the pack. A tin opener is also included in each pack to open all tin foods with ease - plastic spoons are included.

Our ration packs are developed into 5 x day packs – day 1 to 5 giving a different main meal every day – providing the soldier with a variety and not “same food every day”.

All food and items are manufactured in South Africa and has been used by the South African Military over the past 25 years. These ration packs are also widely used by many other African Countries at present.

ALL our products are completely HALAAL and are researched and developed by nutritionists and are suitable to supply the necessary calories and kilojoules for a soldier during combat situations.



	Day 1		Day 2		Day 3
1	Beef Curry & Vegetables	1	Corned Beef	1	Chicken Breyani
1	Meatballs & Spaghetti	1	Chilli Con Carne	1	Mutton Stew & Vegetables
2	Whole Wheat Biscuits	1	Stiff Maize Porridge	2	Whole Wheat Biscuits
1	Tomato Soup	1	Mushroom Soup	1	Vegetable Soup
2	Pineapple & Grape Isotonic Drink	2	Raspberry & Peach Isotonic Drink	2	Lemon/Lime & Orange Isotonic drink
1	Peach Lactose Free Shake	1	Strawberry Lactose Free Shake	1	Caramel Lactose Free Shake
1	Chutney	1	Chutney	1	Tomato Sauce
1	Worcester Sauce	1	Mustard	1	Jam
1	Regular Porridge	1	Whole Wheat porridge	1	Regular Porridge
1	Choc Nut Energy Bar	1	Chock Caramel Nut Energy Bar	1	Strawberry Energy Bar
1	Lemon & Lime Energy Bar	1	Strawberry Energy Bar	1	Rum & Raisin Energy Bar
1	Orange Cubes Dried Fruit	1	Raisins	2	Dried Fruit Bars
1	Vit C Sweets	1	Vit C Sweets	1	Vit C Sweets
1	Sugar Free Gum	1	Sugar Free Gum	1	Sugar Free Gum
1	Mini Can Opener	1	Mini Can Opener	1	Mini Can Opener
1	Matches	1	Matches	1	Matches
8	Fuel Tablets	8	Fuel Tablets	8	Fuel Tablets
4	Poly Bags	4	Poly Bags	4	Poly Bags
2	Gouda Cheese	2	Cheddar Cheese	2	Gouda Cheese
3	Sugar Sachets 5 X 6G	3	Sugar Sachets	3	Sugar Sachets
2	Iodised Salt	2	Iodised Salt	2	Iodised Salt
1	Ceylon Tea	1	Rooibos Tea	1	Ceylon Tea
2	Coffee Sachets	2	Coffee Sachets	2	Coffee Sachets
6	Creamer Sachets	6	Creamer Sachets	6	Creamer Sachets
	Day 4		Day 5		Day 6
1	Pilchards in Tomato Sauce	1	Viennas & Beans	1	Baked Beans in Tomato Sauce
1	Beef Steak & Beans	1	Chicken Curry & Vegetables	1	Curried Lentils Veg & Rice
2	Whole Wheat Biscuits	2	Whole Wheat Biscuits	2	Whole Wheat Biscuits
1	Chicken Soup	1	Oxtail Soup	1	Mushroom Soup
2	Orange & Lemon/Lime Isotonic Dri	2	Peach & Pineapple Isotonic Drink	2	Rasberry & Grape Isotonic Drink
1	Capuchino Lactose Free Shake	1	Vanilla Lactose Free Shake	1	Maas Lactose Free Shake
1	Jam	1	Chutney	1	Chutney
1	Mustard	1	Tomato Sauce	1	Jam
1	Chocolate Porridge	1	Banana Porridge	1	Wheat porridge
1	Caramel Nut Energy Bar	1	Chocolate Energy Bar	1	Lemon & Lime Energy Bar
1	Pineapple Energy Bar	1	Caramel Nut Energy Bar	1	Choc Nut Energy
1	Dried Peaches	2	Fruit Bars	1	Orange Cubes
1	Vit C Sweets	1	Vit C Sweets	1	Vit C Sweets
1	Sugar Free Gum	1	Sugar Free Gum	1	Surgar Free Gum
1	Mini Can Opener	1	Mini Can Opener	1	Mini Can Opener
1	Matches	1	Matches	1	Matches
8	Fuel Tablets	8	Fuel Tablets	8	Fuel Tablets
4	Poly Bags	4	Poly Bags	4	Poly Bags
2	Cheddar Cheese	2	Gouda Cheese	2	Cheddar Cheese
3	Sugar Sachets	3	Sugar Sachets	3	Sugar Sachets
2	Iodised Salt	2	Iodised Salt	2	Iodised Salt
1	Ceylon Tea	1	Rooibos Tea	1	Ceylon Tea
2	Coffee Sachets	2	Coffee Sachets	2	Coffee Sachets
6	Creamer Sachets	6	Creamer Sachets	6	Creamer Sachets

LOGISTICS

Self-Heating Meals has established a logistics department with several years of experience in distribution and storage management.

Managing the flow of resources between the point of origin and the point of consumption in order to meet the requirements of customers or corporations. Resources managed in logistics include physical objects such as food, materials, equipment, fluids and staff, as well as abstract objects, such as time, information, particulates, and energy.

The logistics of physical objects usually involves integration of information flows, handling of materials, production, packaging, transportation of inventory, packaging, quarantine and often security. The complexity of the logistics can be simulated, analyzed, visualized and optimized by simulation software. Minimizing the use of resources is a common logistics motivation for import and export.



RETAIL

We noticed a significant increase in demand for our meals in the retail sector and we have developed brands based on our customer's requirements.

Self-Heating Meals are available where-ever and when-ever needed.





Thank you for viewing our presentation, we welcome any questions and will provide a speedy response in order to discuss a possible way forward.

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