



ACBS ☒ GMS ☒ PBS ☒

### Description

#### Food for special medical purposes.

PKU cooler is a ready-to-drink phenylalanine free\* protein substitute, containing essential and non-essential amino acids, carbohydrate, vitamins, minerals, trace elements and docosahexaenoic acid (DHA).

With sugars and sweetener. Available in a choice of flavours.

### Indications

PKU Cooler is for the dietary management of Phenylketonuria (PKU) from 3 years onwards.

### Dosage and Administration

To be determined by the clinician or dietitian and is dependent on the age, body weight and medical condition of the patient.

### Preparation Guidelines

Shake well before use. Best served chilled. Water or permitted drinks should be taken after PKU cooler.

### Storage

Store in a cool dry place or refrigerate before use if preferred.

The product should be consumed immediately after opening.

However, if this is not possible, seal cap and consume within 6 hours at room temperature or within 24 hours if refrigerated. Re-shake well before use.

Packaged in a protective atmosphere.

### IMPORTANT NOTICE

Use under medical supervision.

Not suitable for use as a sole source of nutrition.

Suitable from 3 years of age onwards.

Must only be consumed by people with proven PKU under strict medical supervision.

Diet must be supplemented with natural protein, water and other nutrients in prescribed quantities to supply the phenylalanine, fluid and general nutritional requirements.

For enteral use only.

# Nutritional Information

|                                                |      | Per<br>100ml | Per<br>Cooler <sub>10</sub><br>87ml | Per<br>Cooler <sub>15</sub><br>130ml | Per<br>Cooler <sub>20</sub><br>174ml |
|------------------------------------------------|------|--------------|-------------------------------------|--------------------------------------|--------------------------------------|
| Energy                                         | kJ   | 329          | 286                                 | 429                                  | 573                                  |
|                                                | kcal | 78           | 68                                  | 101                                  | 135                                  |
| Fat                                            | g    | 0.9          | 0.8                                 | 1.2                                  | 1.6                                  |
| of which                                       |      |              |                                     |                                      |                                      |
| Saturates                                      | g    | 0.2          | 0.2                                 | 0.3                                  | 0.3                                  |
| DHA**                                          | mg   | 77           | 67                                  | 100                                  | 134                                  |
| Carbohydrate                                   | g    | 5.1          | 4.4                                 | 6.6                                  | 8.9                                  |
| of which                                       |      |              |                                     |                                      |                                      |
| sugars                                         | g    | 3.4          | 3.0                                 | 4.4                                  | 5.9                                  |
| Protein equivalent                             | g    | 11.5         | 10                                  | 15                                   | 20                                   |
| L-Phenylalanine*                               | g    | -            | -                                   | -                                    | -                                    |
| Salt                                           | g    | 0.18         | 0.15                                | 0.23                                 | 0.31                                 |
| <b>Vitamins, minerals &amp; trace elements</b> |      |              |                                     |                                      |                                      |
| Vitamin A (RE)                                 | µg   | 150          | 131                                 | 195                                  | 261                                  |
| Vitamin D                                      | µg   | 5.8          | 5.0                                 | 7.5                                  | 10                                   |
| Vitamin E (αTE)                                | mg   | 3.0          | 2.6                                 | 3.9                                  | 5.2                                  |
| Vitamin K                                      | µg   | 14           | 12                                  | 18                                   | 24                                   |
| Vitamin C                                      | mg   | 21           | 18                                  | 27                                   | 37                                   |
| Thiamin                                        | mg   | 0.40         | 0.35                                | 0.52                                 | 0.70                                 |
| Riboflavin                                     | mg   | 0.44         | 0.38                                | 0.57                                 | 0.77                                 |
| Niacin (Niacin Eq)                             | mg   | 2.0 (6.8)    | 1.7 (5.9)                           | 2.6 (8.8)                            | 3.5 (12)                             |
| Vitamin B6                                     | mg   | 0.50         | 0.44                                | 0.65                                 | 0.87                                 |
| Folic acid                                     | µg   | 58           | 50                                  | 75                                   | 101                                  |
| Vitamin B12                                    | µg   | 0.9          | 0.78                                | 1.2                                  | 1.6                                  |
| Biotin                                         | µg   | 7.5          | 6.5                                 | 9.7                                  | 13                                   |
| Pantothenic acid                               | mg   | 1.1          | 0.96                                | 1.4                                  | 1.9                                  |
| Sodium                                         | mg   | 70           | 61                                  | 91                                   | 122                                  |
|                                                | mmol | 3.0          | 2.6                                 | 3.9                                  | 5.2                                  |
| Potassium                                      | mg   | 140          | 122                                 | 182                                  | 244                                  |
|                                                | mmol | 3.5          | 3.0                                 | 4.6                                  | 6.1                                  |
| Chloride                                       | mg   | 80           | 70                                  | 104                                  | 139                                  |
|                                                | mmol | 2.2          | 1.9                                 | 2.9                                  | 3.9                                  |
| Calcium                                        | mg   | 230          | 200                                 | 299                                  | 400                                  |
|                                                | mmol | 5.8          | 5.0                                 | 7.5                                  | 10                                   |
| Phosphorus                                     | mg   | 205          | 178                                 | 267                                  | 357                                  |
|                                                | mmol | 6.6          | 5.7                                 | 8.5                                  | 11                                   |
| Magnesium                                      | mg   | 63           | 55                                  | 82                                   | 110                                  |
|                                                | mmol | 2.6          | 2.2                                 | 3.4                                  | 4.5                                  |

\*\* Docosahexaenoic acid (DHA)

# Nutritional Information

|                    |    | Per<br>100ml | Per<br>cooler <sup>10</sup><br>87ml | Per<br>cooler <sup>15</sup><br>130ml | Per<br>cooler <sup>20</sup><br>174ml |
|--------------------|----|--------------|-------------------------------------|--------------------------------------|--------------------------------------|
| Iron               | mg | 4.2          | 3.7                                 | 5.5                                  | 7.3                                  |
| Zinc               | mg | 3.2          | 2.8                                 | 4.2                                  | 5.6                                  |
| Copper             | mg | 0.42         | 0.36                                | 0.55                                 | 0.73                                 |
| Manganese          | mg | 0.29         | 0.25                                | 0.38                                 | 0.50                                 |
| Selenium           | µg | 15           | 13                                  | 19                                   | 26                                   |
| Chromium           | µg | 8.0          | 7.0                                 | 10                                   | 14                                   |
| Molybdenum         | µg | 13           | 11                                  | 17                                   | 23                                   |
| Iodine             | µg | 49           | 43                                  | 64                                   | 85                                   |
| Choline            | mg | 115          | 100                                 | 150                                  | 200                                  |
| <b>Amino Acids</b> |    |              |                                     |                                      |                                      |
| L-Alanine          | g  | 0.53         | 0.46                                | 0.69                                 | 0.92                                 |
| L-Arginine         | g  | 0.86         | 0.75                                | 1.12                                 | 1.50                                 |
| L-Aspartic acid    | g  | 1.36         | 1.18                                | 1.77                                 | 2.37                                 |
| L-Cystine          | g  | 0.35         | 0.30                                | 0.46                                 | 0.61                                 |
| Glycine            | g  | 1.35         | 1.17                                | 1.76                                 | 2.35                                 |
| L-Histidine        | g  | 0.53         | 0.46                                | 0.69                                 | 0.92                                 |
| L-Isoleucine       | g  | 0.93         | 0.81                                | 1.21                                 | 1.62                                 |
| L-Leucine          | g  | 1.46         | 1.27                                | 1.90                                 | 2.54                                 |
| L-Lysine           | g  | 0.96         | 0.84                                | 1.25                                 | 1.67                                 |
| L-Methionine       | g  | 0.26         | 0.23                                | 0.34                                 | 0.45                                 |
| L-Proline          | g  | 0.97         | 0.84                                | 1.26                                 | 1.69                                 |
| L-Serine           | g  | 0.60         | 0.52                                | 0.78                                 | 1.04                                 |
| L-Threonine        | g  | 0.93         | 0.81                                | 1.21                                 | 1.62                                 |
| L-Tryptophan       | g  | 0.29         | 0.25                                | 0.38                                 | 0.50                                 |
| L-Tyrosine         | g  | 1.37         | 1.19                                | 1.78                                 | 2.38                                 |
| L-Valine           | g  | 1.07         | 0.93                                | 1.39                                 | 1.86                                 |
| L-Carnitine        | mg | 13           | 11                                  | 17                                   | 23                                   |
| Taurine            | mg | 25           | 22                                  | 33                                   | 44                                   |

## Osmolality:

1600 mOsm/kg

\*No added phenylalanine. Phenylalanine may be present in trace amounts from other ingredients <3mg/100ml.

## Ingredients

### PKU Cooler Orange

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (**Soya** Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined **Tuna** Oil (**Fish**), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, Flavourings, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Colour (E160a), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler Purple

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (**Soya** Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined **Tuna** Oil (**Fish**), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, Colour (E163), L-Tryptophan, L-Methionine, L-Arginine, Flavourings, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler Red

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Flavourings, Thickeners (E1422, E415), Emulsifier (**Soya** Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined **Tuna** Oil (**Fish**), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Colour (E120), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler White

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (**Soya** Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined **Tuna** Oil (**Fish**), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler Yellow

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (**Soya** Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined **Tuna Oil (Fish)**, L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, Flavouring, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Sweeteners (Acesulfame K, Sucralose), Colour (E160a), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### Allergen Declaration

Contains **fish** (tuna oil)

Contains **soya** (soya lecithin)

### Pack Size/Weight

 cooler<sup>™</sup> 10

30 x 87ml e pouches = 2.61L

 cooler<sup>™</sup> 15

30 x 130ml e pouches = 3.9L

 cooler<sup>™</sup> 20

30 x 174ml e pouches = 5.22L

### Flavours

Orange, purple, red, white and yellow.

