



express15™



DESCRIPTION

Use under medical supervision. MSUD express is an unflavored, powdered leucine, isoleucine and valine free medical food, containing essential and non essential amino acids, carbohydrate, vitamins, minerals and trace elements.

INDICATIONS: MSUD express15 is for use in the dietary management of Maple Syrup Urine Disease (MSUD) from 3 years of age

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.

Each 25g packet of MSUD express15 provides 15g of protein equivalent.

Each 25g packet of MSUD express15 = 1x130ml pouch of MSUD cooler.

1. The daily protein requirement is given as MSUD express.
2. Additional protein is provided from exchanges of natural protein, to provide leucine, isoleucine and valine in controlled amounts, which is essential for growth and development.
3. Foods high in carbohydrate and fat, but low in protein, should be provided to supply the remainder of the energy.

PREPARATION GUIDELINES

For low volume drink:

Step 1: Empty the contents of the packet, plus a FlavourPac packet if desired, into the beaker.

Step 2: Add approximately 80ml (halfway up the beaker) of cold water. Secure the lid and shake well for 10 seconds.

Step 3: Drink immediately.



The product should ideally be freshly prepared and used immediately.

Water or permitted drinks should be taken after the MSUD express.

ALLERGEN DECLARATION

Contains soy lecithin.

STORAGE

Store in a cool, dry place.

Packets are designed for single use and should be used once opened.

PACK SIZES: 30 x 25g packets

WEIGHT: 750g e

SHELF LIFE: 18 months.

IMPORTANT NOTICE

Must only be given to patients with proven MSUD under strict medical supervision.

Suitable from 3 years of age.

Diet must be supplemented with natural protein, water and other nutrients in prescribed quantities to supply leucine, isoleucine, valine, fluid and general requirements.

Not for use as a sole source of nutrition.

Not for intravenous use.

MSUD express15 Nutrition Information

	Units	per 100g	per 25g (1 packet)
Calories	kcal	297	74
Protein equivalent	g	60	15
Total Carbohydrate	g	13.7	3.4
Sugars	g	1.0	0.2
Total Fat	g	0.20	0.05
Saturates	g	0	0
VITAMINS			
Vitamin A	IU/µg RE	2464/740	616/185
Vitamin D	IU/µg	468/11.7	117/2.9
Vitamin E	IU/mg α TE	21/1.4	5.2/3.5
Vitamin C	mg	96	24
Vitamin K	µg	89	22
Thiamine	mg	1.8	0.45
Riboflavin	mg	2.0	0
Niacin	mg	22	5.5
Vitamin B6	mg	2.5	0.63
Folic acid	µg	360	90
Vitamin B12	µg	4.3	1.1
Biotin	µg	188	47
Pantothenic acid	mg	7.1	1.8
Choline	mg	530	133
MINERALS			
Sodium	mg	510	128
Potassium	mg	840	210
Chloride	mg	650	163
Calcium	mg	1090	273
Phosphorus	mg	990	248
Magnesium	mg	330	83
Iron	mg	19	4.8
Copper	mg	2.0	0
Zinc	mg	19	4.8
Manganese	mg	2.8	0.70
Iodine	µg	220	55
Molybdenum	µg	130	33
Selenium	µg	78	20
Chromium	µg	78	20
AMINO ACIDS			
L-Alanine	g	7.23	1.81
L-Arginine	g	6.85	1.71
L-Aspartic acid	g	8.68	2.17
L-Cystine	g	2.05	0.51
L-Glutamine	g	7.80	1.95
Glycine	g	5.75	1.44
L-Histidine	g	2.46	0.62
L-Isoleucine	g	0	0
L-Leucine	g	0	0
L-Lysine	g	5.16	1.29
L-Methionine	g	1.48	0.37
L-Phenylalanine	g	3.86	0.97
L-Proline	g	6.09	1.52
L-Serine	g	4.12	1.03
L-Threonine	g	3.70	0.93
L-Tryptophan	g	2.05	0.51
L-Tyrosine	g	4.10	1.03
L-Valine	g	0	0
L-Carnitine	mg	64	16
Taurine	mg	132	33



MSUD express15 (Unflavored) – Ingredients:

Dried Glucose Syrup, L-lysine L-Aspartate, L-Arginine L-Aspartate, L-Glutamine, L-Alanine, L-Proline, Glycine, L-Serine, L-Tyrosine, L-Phenylalanine, L-Threonine, Calcium Phosphate, Magnesium Phosphate Dibasic, Modified Corn Starch, Potassium Citrate, L-Histidine, L-Cystine, L-Tryptophan, Choline Bitartrate, L-Arginine, L-Methionine, Salt, Maltodextrin, Xanthan Gum, Ascorbic Acid, Ferrous Gluconate, Soy Lecithin, Zinc Gluconate, Taurine, L-Carnitine L-Tartrate, DL α Tocopheryl Acetate, Manganese Gluconate, Niacinamide, Sodium Selenite, D-Biotin, Copper Gluconate, Chromium Chloride, Calcium Pantothenate, Retinyl Acetate, Vitamin D3, Vitamin B12, Folic Acid, Sodium Molybdate, Pyridoxine Hydrochloride, Potassium Iodide, Thiamine Hydrochloride, Riboflavin, Vitamin K.

Contains Soy.

*No added Leucine, Isoleucine and Valine. Leucine, Isoleucine and Valine may be present in trace amounts from other ingredients (<3mg/100g).

OSMOLALITY: 25g + 80ml = 1896 mOsm/kg • 25g + 100ml = 1470 mOsm/kg • 34g + 80ml = 2380 mOsm/kg • 34g + 100ml = 2033 mOsm/kg

Manufactured in the EU for Vitaflo International Ltd, Suite 1.11 South Harrington Building, 182 Sefton Street, Brunswick Business Park, Liverpool L3 4BQ.

Tel: +44 (0)151 709 9020 | Email: vitaflo@vitaflo.co.uk

Distributed in the USA by: Vitaflo USA, LLC, 211 N Union Street, Suite 100, Alexandria, VA 22314 | www.VitafloUSA.com

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