

**NOW WITH  
OMEGA-3  
FATTY ACIDS**

# MSUD cooler™

## DESCRIPTION

### A FOOD FOR SPECIAL MEDICAL PURPOSES

MSUD cooler is a ready to drink, leucine, isoleucine and valine free protein substitute, available in orange flavour, containing essential and non-essential amino acids, carbohydrate, vitamins, minerals, trace elements and the omega-3 fatty acids; DHA & EPA.

## INDICATIONS

MSUD cooler is for use in the dietary management of Maple Syrup Urine Disease (MSUD) in people from 3 years of age.

### Nutritional Information

		per 100ml	per 130ml (1 pouch)			per 100ml	per 130ml (1 pouch)
Energy				Phosphorus	mg	240	312
				Magnesium	mg	80	104
Protein equivalent	g	11.5	15	<b>Trace Elements</b>			
Total Amino Acids	g	14	18.2	Iron	mg	4.2	5.4
Carbohydrate*	g	5.4	7	Copper	mg	0.5	0.6
of which sugars	g	4.5	5.9	Zinc	mg	4.2	5.4
Fat	g	0.4	0.5	Manganese	mg	0.6	0.8
of which saturates	g	Trace	Trace	Iodine	µg	48.5	63
Docosahexaenoic acid (DHA)	mg	77	100	Molybdenum	µg	27.7	36
Eicosapentaenoic acid (EPA)	mg	18	23	Selenium	µg	16.5	21.5
				Chromium	µg	16.5	21.5
<b>Vitamins</b>				<b>Amino Acids</b>			
Vitamin A	µg	160	208	L-Alanine	g	1.57	2.04
Vitamin D	µg	2.5	3.3	L-Arginine	g	1.49	1.94
Vitamin E	mg	3.0	3.9	L-Aspartic acid	g	1.88	2.44
Vitamin C	mg	20.8	27	L-Cystine	g	0.44	0.57
Vitamin K	µg	19.4	25.3	Glycine	g	1.25	1.63
Thiamin	mg	0.4	0.5	L-Histidine	g	0.53	0.69
Riboflavin	mg	0.5	0.6	L-Isoleucine	g	0.00	0.00
Niacin	mg	4.8	6.3	L-Leucine	g	0.00	0.00
Vitamin B6	mg	0.5	0.7	L-Lysine	g	1.12	1.46
Folic Acid	µg	77	100	L-Methionine	g	0.32	0.42
Vitamin B12	µg	0.9	1.2	L-Phenylalanine	g	0.84	1.09
Biotin	µg	36	46.8	L-Proline	g	1.32	1.72
Pantothenic acid	mg	1.5	2	L-Serine	g	0.89	1.16
Choline	mg	115	150	L-Threonine	g	0.80	1.04
				L-Tryptophan	g	0.45	0.59
<b>Minerals</b>				L-Tyrosine	g	0.89	1.16
Sodium	mg	109	142	L-Valine	g	0.00	0.00
	mmol	4.7	6.1	L-Carnitine	mg	12.5	16.3
Potassium	mg	201	261	Taurine	mg	25.1	32.6
	mmol	5.2	6.8				
Chloride	mg	168	219				
	mmol	4.7	6.1				
Calcium	mg	269	350				

Osmolality: 1900 mOsm/kg

\*Contains sugar and sweetener

## DOSAGE AND ADMINISTRATION

Dosage of MSUD cooler to be determined by the clinician or dietician.

1. The daily protein requirement is given as MSUD cooler (1 pouch MSUD cooler = 1 sachet of MSUD express powder = 15g of protein equivalent).
2. Additional protein is provided from exchanges of natural protein in prescribed quantities, to provide leucine, isoleucine and valine in controlled amounts, which is essential for normal 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

Shake well, open and drink.

Water or permitted drinks should be taken after MSUD cooler.

## IMPORTANT NOTICE

Must only be consumed by people with proven Maple Syrup Urine Disease (MSUD).

Must only be used under strict medical supervision.

Suitable for people 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 nutritional requirements.

Not to be used as a sole source of nutrition.

Not for intravenous use.

## ALLERGEN DECLARATION

Contains oil derived from fish sources, milk protein and soy.

## STORAGE

Store in a cool, dry place and refrigerate before use if desired.

Once opened use within 24 hours.

## PACK SIZE

Available in packs of 30 x 130ml pouches.

## NET VOLUME

3.9Le

## SHELF LIFE

9 months

## REGISTRATION

ACBS, GMS and PBS approved.



Innovation in Nutrition

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