

MSUD gel™

ACBS ✓ GMS ✓ PBS ✓

Description

Food for special medical purposes.

MSUD gel™ is an unflavoured powdered leucine, isoleucine and valine free protein substitute containing essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements.

Indications

MSUD gel is for the dietary management of Maple Syrup Urine Disease (MSUD) from 6 months to 10 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.

The product can be used individually or interchanged to meet individual protein requirements.

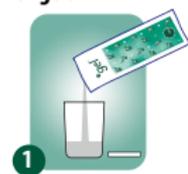
1. The daily protein substitute requirement is given as MSUD gel.
2. Additional protein is provided from exchanges of natural protein, to provide restricted amino acids in controlled amounts, which is essential for growth and development.
3. Foods high in carbohydrate and fat, but low in protein, should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

MSUD gel (24g) = 10g PE

Preparation Guidelines

MSUD gel can be either taken as a gel or a low volume drink.

For gel:



Empty the contents of the sachet into a beaker.

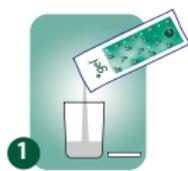


Add approximately 30ml of cold water. Secure the lid and shake well for 10 seconds.



Leave to stand for 2 minutes, allowing a smooth gel to form. Consume with a spoon.

For a low volume drink:



Empty the contents of the sachet into a beaker.



Add approximately 80ml (half way up the beaker) of cold water. Secure the lid and shake well for 10 seconds.



Drink immediately.

Water or permitted drinks should be taken after MSUD gel.

IMPORTANT NOTICE

Must only be given to children with proven Maple Syrup Urine Disease under strict medical supervision.

Suitable from 6 months to 10 years of age.

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

Not for use as a sole source of nutrition.

For enteral use only.

Nutritional Information

		Per 100g	Per MSUD gel 24g sachet		Per 100g	Per MSUD gel 24g sachet
Energy	kJ	1440	346	Sodium	mg	379
		339	81			mmol
Fat	g	0.05	0.02	Chloride	mg	583
		0.0	0.0			mmol
Carbohydrate	g	42.9	10.3	Potassium	mg	938
		27.1	6.5			mmol
Protein equivalent	g	41.7	10	Calcium	mg	1083
L-Isoleucine	g	0	0			mmol
L-Leucine	g	0	0	Phosphorus	mg	825
L-Valine	g	0	0			mmol
Salt	g	0.95	0.23	Magnesium	mg	167
						mmol
Vitamins and minerals				Iron	mg	14
Vitamin A (RE)	µg	600	144			3.4
Vitamin D	µg	14.6	3.5	Zinc	mg	11
Vitamin E (αTE)	mg	9.0	2.2	Copper	mg	0.80
Vitamin K	µg	41	9.8	Iodine	µg	138
Vitamin C	mg	63	15	Selenium	µg	35
Thiamin	mg	1.0	0.24	Manganese	mg	1.7
Riboflavin	mg	1.2	0.29	Chromium	µg	71
Vitamin B6	mg	1.1	0.26	Molybdenum	µg	50
Niacin	mg (mg NE)	14 (38.2)	3.4 (9.2)	Others		
Folic acid	µg	208	50	Choline	mg	279
Vitamin B12	µg	2.0	0.48			67
Pantothenic Acid	mg	5.0	1.2			
Biotin	µg	25	6.0			

Nutritional Information

	Per 100g	Per MSUD gel 24g sachet		Per 100g	Per MSUD gel 24g sachet		
Amino acids			L-Methionine	g	1.05	0.25	
L-Alanine	g	5.11	1.23	L-Phenylalanine	g	2.73	0.66
L-Arginine	g	4.85	1.16	L-Proline	g	4.29	1.03
L-Aspartic Acid	g	6.13	1.47	L-Serine	g	2.90	0.70
L-Cystine	g	1.45	0.35	L-Threonine	g	2.61	0.63
L-Glutamine	g	5.51	1.32	L-Tryptophan	g	1.45	0.35
Glycine	g	4.06	0.97	L-Tyrosine	g	2.90	0.70
L-Histidine	g	1.74	0.42	L-Carnitine	mg	46	11
L-Lysine	g	3.65	0.88	Taurine	mg	92	22
			Osmolality:				
			24g + 30ml = 3000mOsm/kg				
			24g + 80ml = 1540mOsm/kg				

Pack Size/Weight

30 x 24g e sachets = 720g

Flavours

Unflavoured.

Storage

Store in a cool dry place.

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

Any unused powder in an open sachet should be kept in an airtight container or sealed with a clipper and used within 24 hours.

