Suitable for:

SMA High Energy® is a nutrient dense formula for the dietary management of infants and young children aged 0–18 months with medically identified high energy needs.

It is suitable as the sole source of nutrition for babies up to 6 months of age, and as part of a mixed weaning diet for babies and young children up to 18 months of age.

The conditions for which this product can be prescribed are:

- Disease-related malnutrition
- Growth failure
- Malabsorption

This product is a Food for Special Medical Purposes.

Not suitable for:

1. Cows' milk protein intolerance/allergy.
2. Lactose intolerance.
3. Inborn errors of metabolism such as phenylketonuria, galactosaemia and galactokinase deficiency.

Shelf life:

SMA High Energy® has a shelf life of 12 months.



90 ml



200 ml

INFORMATION FOR HEALTHCARE PROFESSIONAL USE ONLY

SMA HIGH ENERGY®

From Birth to 18 Months Data Card



90 ml hospital bottle
NHS catalogue code (UK): ABA073
Ireland supplier code: 12600958



200 ml carton (available on prescription)
PIP code (UK): 253–3693
Ireland supplier code: 12601442

☑ Available on prescription (UK and Ireland)

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sma Nutrition

IMPORTANT NOTICE: The World Health Organization (WHO) has recommended that pregnant women and new mothers be informed on the benefits and superiority of breastfeeding – in particular the fact that it provides the best nutrition and protection from illness for babies. Mothers should be given guidance on the preparation for, and maintenance of, lactation, with special emphasis on the importance of a well-balanced diet both during pregnancy and after delivery. Unnecessary introduction of partial bottle-feeding or other foods and drinks should be discouraged since it will have a negative effect on breastfeeding. Similarly, mothers should be warned of the difficulty of reversing a decision not to breastfeed. Before advising a mother to use an infant formula, she should be advised of the social and financial implications of her decision: for example, if a baby is exclusively bottle-fed, more than one can (400 g) per week will be needed, so the family circumstances and costs should be kept in mind. Mothers should be reminded that breast milk is not only the best, but also the most economical food for babies. If a decision to use a formula is taken, it is important to give instructions on correct preparation methods, emphasising that unboiled water, unsterilised bottles or incorrect dilution can all lead to illness. **This product must be used under medical supervision. SMA High Energy®** is a milk based formula for the dietary management of babies and young children with medically determined high energy requirements as identified by a healthcare professional. It is suitable as the sole source of nutrition up to 6 months of age, and in conjunction with solid food up to 18 months of age. **SMA High Energy®** is not intended for use with preterm babies, for whom fortified breast milk or a low birthweight formula such as **SMA Gold Prem® 1** is more appropriate.

sma Nutrition Careline
UK 0800 081 81 80
www.smahcp.co.uk
ROI 1800 931 832
www.smahcp.ie

Nestlé UK Ltd, PO Box 207, York, YO91 1WS.
Nestlé Ireland Ltd, 3009 Lake Drive, Citywest, Dublin, D24 H6RR

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INFORMATION FOR HEALTHCARE PROFESSIONAL USE ONLY

Nutrition information for SMA High Energy®

	Units	Per 90 ml	Per 100 ml/ 100 kcal
Energy	kJ	376	418
	kcal	90	100
Fat	g	5	5.5
of which, saturates	g	1.7	1.9
of which, monounsaturates	g	1.8	2.0
of which, polyunsaturates	g	0.9	1.0
of which, omega 3:			
a-linolenic Acid (ALA)	mg	67.5	75
Docosahexaenoic Acid (DHA)	mg	27	30
of which, omega 6:			
Linoleic Acid (LA)	mg	765	850
Arachidonic Acid (AA)	mg	27	30
Carbohydrate	g	9	10
of which, sugars	g	6	6.7
Protein	g	2.3	2.6
Salt	g	0.08	0.09
Vitamins			
Vitamin A	µg	90	100
Vitamin D	µg	2.25	2.5
Vitamin E	mg	2.1	2.3
Vitamin K	µg	8	9
Vitamin C	mg	18	20
Thiamin	mg	0.13	0.14
Riboflavin	mg	0.19	0.21
Niacin	mg	0.9	1
Vitamin B6	mg	0.08	0.09
Folic Acid (Folate (DFE*))	µg	15.3 (25.5)	17 (28.3)
Vitamin B12	µg	0.31	0.34
Biotin	µg	2.5	2.8
Pantothenic Acid	mg	0.85	0.94
Minerals			
Sodium	mg	33	37
Potassium	mg	104	115
Chloride	mg	75	83
Calcium	mg	90	100
Phosphorus	mg	54	60
Magnesium	mg	10	11
Iron	mg	0.9	1
Zinc	mg	1	1.1
Copper	mg	0.07	0.08
Manganese	mg	0.02	0.02
Fluoride	mg	<0.1	<0.1
Selenium	µg	4.1	4.5
Chromium	µg	<9	<10
Molybdenum	µg	<13	<14
Iodine	µg	17	19
Others			
Taurine	mg	7.5	8.3
Choline	mg	27	30
Inositol	mg	18	20
L-Carnitine	mg	1.6	1.8

Fatty acid profile of SMA High Energy®

Fatty Acid		Units	Per 100 ml
Saturated			
Caproic Acid	C6:0	mg	5
Caprylic	C8:0	mg	73
Capric	C10:0	mg	68
Lauric	C12:0	mg	433
Myristic	C14:0	mg	172
Palmitic	C16:0	mg	888
Stearic	C18:0	mg	162
Arachidic	C20:0	mg	10
Behenic	C22:0	mg	16
Total saturated		g	1.9
Unsaturated/Monounsaturated			
Palmitoleic	C16:1	mg	10
Oleic	C18:1	mg	1984
Eicasenoic	C20:1	mg	10
Euricic Acid	C22:1	mg	10
Total monounsaturated		g	2
Polyunsaturated			
Linoleic	C18:2	mg	850
Linolenic	C18:3	mg	75
Arachidonic	C20:4	mg	30
Docosahexaenoic	C22:6	mg	30
Total polyunsaturated		g	1
Linoleic: linolenic ratio			11.3

Amino acid profile of SMA High Energy®

Amino Acid	mg per 100 ml
Essential Amino Acids	
Histidine	102
Isoleucine	147
Leucine	321
Lysine	257
Methionine	61
Phenylalanine	96
Threonine	147
Tryptophan	56
Valine	139
Other Amino Acids	
Alanine	128
Arginine	80
Aspartic Acid	301
Cystine	75
Glutamic Acid	454
Glycine	52
Proline	131
Serine	119
Tyrosine	91

mmol information for SMA High Energy®

Nutrient	Units	Per 100 ml
Calcium	mmol	2.5
Phosphate	mmol	1.9
Magnesium	mmol	0.5
Iron	mmol	0.02
Zinc	mmol	0.02
Sodium	mmol	1.6
Potassium	mmol	2.9
Chloride	mmol	2.3

SMA High Energy® ingredients

Liquid (90 ml and 200 ml) Water, partially hydrolysed whey protein (**MILK**), vegetable oils including structured vegetable oil (sunflower, palm, coconut, rapeseed), maltodextrin, lactose (**MILK**), calcium phosphate, **FISH** oil (DHA), potassium hydroxide, oil from *Mortierella alpina* (AA), potassium chloride, magnesium citrate, L-Histidine, potassium phosphate, sodium chloride, choline chloride, vitamin C, calcium chloride, acidity regulator (citric acid), inositol, L-arginine, taurine, ferrous sulphate, sodium hydroxide, zinc sulphate, vitamin E, antioxidants (ascorbyl palmitate, tocopherol-rich extract), L-carnitine, pantothenic acid, niacin, copper sulphate, thiamin, riboflavin, vitamin A, vitamin B6, manganese sulphate, potassium iodide, folic acid, vitamin K, sodium selenate, biotin, vitamin D, vitamin B12.

Whey:Casein ratio: 100% whey

Osmolality: 392 mOsm/kg H_2O

Osmolarity: 336 mOsm/L

Potential Renal Solute Load: 236 mOsm/L

Lactose: 6.4 g/100 ml

*DFE = Dietary Folate Equivalent

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