

## Product Information: Similac® NeoSure® Ready to Use

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# Similac® NeoSure® Ready to Use

DHA- and ARA-enriched formula

## Usage

- 1 For use as a breast milk substitute in preterm infants being discharged home.
- 1 For breastfed preterm infants; supplementing with feedings of prepared post-discharge formula is recommended as a strategy for meeting additional nutrient requirements.<sup>1</sup>
- 1 Term infant formula (such as Similac Pro-Advance®) can be introduced at the discretion of the health care professional; once the baby has achieved adequate catch-up growth. Some recommendations include: the use of a post-discharge formula should be “individualized to optimize the growth trajectory of the infant over the first year.”<sup>1</sup>; use from 40 to 52 weeks post-conception<sup>2</sup>; stopping at 4 to 6 months corrected age if all growth parameters are >25th percentile.<sup>3</sup>
- 1 For oral or tube feeding use.
- 1 Use under medical supervision.



## Features

- 1 Hypercaloric formula (74 Cal/100 mL [22 Cal/30 mL]) with higher levels of protein, electrolytes, vitamins, and minerals per 100 Cal than standard term formula.
- 1 Exclusive blend of DHA, lutein, and natural vitamin E: \* - Results of a clinical study point to protective effects of lutein on preterm retinal health and maturation.<sup>4</sup>
- 1 Supports catch-up growth during the first year:<sup>5</sup> increased calories for growth; 33% more protein<sup>†</sup> to help meet higher protein requirements; approximately 35% more calcium and phosphorus<sup>†</sup> to support baby's growing bones.
- 1 Peer-reviewed studies evaluating the use of preterm post-discharge formula compared to term infant formula in preterm infants have demonstrated: greater gains in weight, length, and head circumference compared to those fed term formula<sup>‡</sup>; an increase in lean body mass rather than fat mass.<sup>6,7</sup>
- 1 Approximately 25% of fat as medium chain triglycerides, an easily digested and well-absorbed fat source.<sup>8</sup>
- 1 Non-GMO.<sup>§</sup>
- 1 Easy to digest.<sup>¶</sup>
- 1 Gluten-free.
- 1 Kosher.
- 1 Halal.

## Safety Precautions

- 1 Never use a microwave oven to warm formula; serious burns can result. Test temperature before feeding to avoid scalding the baby's mouth.
- 1 Not for parenteral use.

\* RRR-alpha-tocopherol, the most bioactive form of vitamin E.

† Compared to Similac Pro-Advance® (per 100 Cal).

‡ Similac® Neosure® formulation used in this study may differ slightly from current Similac® Neosure® product.

§ Ingredients not genetically engineered.

¶ Similar to other infant formulas.

<sup>1</sup> American Academy of Pediatrics Committee on Nutrition. Nutritional Needs of the Preterm Infant. In: Kleinman RE, Greer FR, eds. Pediatric Nutrition. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2014:109-11.

<sup>2</sup> ESPGHAN Committee on Nutrition. J Pediatr Gastroenterol Nutr. 2006;42:596-603.

<sup>3</sup> Bhatia J. J Perinatol. 2005;25(suppl 2):S15-6.

<sup>4</sup> Rubin LP, et al. J Perinatol. 2012;32(6):418-24.

<sup>5</sup> Carver JD, et al. Pediatrics. 2001;107:683-689.

<sup>6</sup> Cooke RJ, et al. Pediatr Res. 2010;67:660-4.

<sup>7</sup> Lucas A, et al. Pediatrics. 2001;108:703-11.

<sup>8</sup> Duggan C, et al. Nutrition in Pediatrics: Standard and Specialized Enteral Formulas. BC

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Decker Inc. Hamilton. 2008.

## Ingredients

### Liquid Unflavored:

Water, Corn Syrup Solids, Dry or Evaporated Skim Milk, Soy Oil, Lactose, Coconut Oil, Whey Protein Concentrate, Modified Coconut and/or Palm Kernel Oils (Medium Chain Triglycerides), M. Alpina Oil (A Source Of ARA), Schizochytrium Sp. Oil (A Source of DHA), Monoglycerides, Soy Lecithin, M-Inositol, Carrageenan, Taurine, L-Carnitine, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate, Adenosine 5'-Monophosphate, Lutein, MINERALS (Potassium Citrate, Calcium Carbonate, Magnesium Chloride, Potassium Hydroxide, Tricalcium Phosphate, Sodium Chloride, Ferrous Sulphate, Zinc Sulphate, Copper Sulphate, Manganese Sulphate, Sodium Selenate, Potassium Iodide), VITAMINS (Ascorbic Acid, Choline Chloride, Choline Bitartrate, D-Alpha-Tocopheryl Acetate, Niacinamide, Calcium D-Pantothenate, Vitamin A Palmitate, Thiamine Chloride Hydrochloride, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Phylloquinone, D-Biotin, Beta-Carotene, Vitamin D3, Cyanocobalamin), and As Needed: Potassium Chloride, Potassium Phosphate Dibasic.

**Allergens:** Contains: Milk, Soy.

## Availability

List Number	Item
6635813	Similac Neosure®, Ready to Use; 59-mL plastic bottles; 48/case

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## Nutrition Information - Liquid Unflavored

	100 mL	100 Cal
	Value	Value
ENERGY, Cal (kJ)	74 (311)	100 (418)
Protein, g	2.1	2.8
Taurine, mg	4.5	6
Carnitine, mg	4	5.4
Fat, g	4.1	5.5
Linoleic Acid, g	0.558	0.75
Linolenic Acid, g	0.074	0.1
Arachidonic Acid (ARA), g	0.019	0.025
Docosahexaenoic Acid (DHA), g	0.013	0.017
Carbohydrate, g	7.5	10.1
Inositol, mg	26	35
Nucleotides, mg	7.2	9.7
Lutein, mg	0.0115	0.0155
Vitamin A, IU	342	460
Vitamin D, IU	52	70
Vitamin E, IU	2.7	3.6
Vitamin K, mg	0.0083	0.011
Vitamin C, mg	11	15
Thiamine, mg	0.164	0.22
Riboflavin, mg	0.112	0.15
Niacin, mg	1.45	1.95
Vitamin B6, mg	0.074	0.1
Folic Acid, mg	0.019	0.025
Vitamin B12, mg	0.0003	0.0004
Pantothenic Acid, mg	0.6	0.8
Biotin, mg	0.007	0.009
Choline, mg	12	16
Sodium, mg	25	33
Potassium, mg	112	150
Chloride, mg	56	75
Calcium, mg	78	105
Phosphorus, mg	46	62
Magnesium, mg	7	9
Iron, mg	1.3	1.8
Zinc, mg	0.89	1.2
Iodine, mg	0.011	0.015
Copper, mg	0.089	0.12
Manganese, mg	0.007	0.01
Selenium, mg	0.0016	0.0021

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## Product Characteristics

	Value
Caloric Density (Cal/mL)	0.74
Protein (% of total energy)	11.2
Protein Source	Dry or evaporated skim milk, whey protein concentrate
Fat (% of total energy)	48.5
MCT oil (% of total fats)	24.3
Omega-6:Omega-3 Ratio	6.4:1
Fat Source	Soy oil, coconut oil, MCT oil, M. alpina oil, Schizochytrium sp. oil
Carbohydrate (% of total energy)	40.3
Carbohydrate Source	Corn syrup solids, lactose
Total Cal:g Nitrogen Ratio	226:1
Nonprotein Cal:g Nitrogen Ratio	200:1
Water (g/L)	840
Osmolality (mOsm/kg water)	250
Renal Solute Load (mOsm/L)	188

## Preparation

### Directions for Use

- 1 Do not use if breakaway ring is missing or broken.
- 1 Use as directed by a health care professional.
- 1 Always wash hands thoroughly with soap and water when preparing infant feedings.
  - 1 Twist off cap.
  - 1 Twist on nipple and ring.
- 1 Once feeding begins, use within 1 hour or discard.
- 1 Avoid prolonged exposure of bottles to light.
- 1 Store unopened at room temperature. Avoid extreme temperatures.

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