

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** **Perikabiven**

**Product Use/Restriction:** For intravenous infusion into a peripheral or central vein as a source of calories, protein and essential fatty acids for patients requiring parenteral nutrition in four sizes 1440 ml, 1920 ml and 2400 ml.  
This product is supplied in a three chamber bag: Chamber 1 contains Dextrose solution for fluid replenishment and caloric supply.  
The Amino Acid solution with Electrolytes, in chamber 2 comprises essential and nonessential amino acids provided with electrolytes.  
Chamber 3 contains Intralipid® 20% (a 20% Intravenous Fat Emulsion), prepared for intravenous administration as a source of calories and essential fatty acids.

**Manufacturer Name:** Fresenius Kabi AB (Sweden)  
**Address:** SE 751 74  
Uppsala, Sweden

**General Phone Number:** +46 (0)18-64 40 00  
**General Fax Number:** +46 (0)18-64 49 20

**Distributor Name:** Fresenius Kabi USA, LLC  
**Address:** Three Corporate Drive  
Lake Zurich, Illinois 60047

**General Phone Number:** (847) 550-2300  
**Customer Service Phone Number:** (888) 386-1300

**Health Issues Information:** (800) 551-7176  
**MSDS Creation Date:** September 08, 2014  
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HMIS	
Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	A

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Water for Injection	7732-18-5	quantity sufficient	
L-Alanine	56-41-7	4.7 grams/1000 mL	
L-Arginine	74-79-3	3.3 grams/1000 mL	
L-Aspartic acid	56-84-8	0.99 grams/1000 mL	
L-Glutamic acid	617-65-2	1.6 grams/1000 mL	
Glycine (Aminoacetic acid)	56-40-6	2.3 grams/1000 mL	
L-Histidine	71-00-1	2 grams/1000 mL	
L-Isoleucine	73-32-5	1.6 grams/1000 mL	
L-Leucine	61-90-5	2.3 grams/1000 mL	
L-Lysine	56-87-1	2.6 grams/1000 mL	
L-Methionine	63-68-3	1.6 grams/1000 mL	
L-Phenylalanine	63-91-2	2.3 grams/1000 mL	
L-Proline	147-85-3	2 grams/1000 mL	
L-Serine	56-45-1	1.3 grams/1000 mL	
L-Threonine	72-19-5	1.6 grams/1000 mL	
L-Tryptophan	73-22-3	0.55 grams/1000 mL	
L-Tyrosine	60-18-4	0.07 grams/1000 mL	
L-Valine	72-18-4	2.1 grams/1000 mL	
Calcium chloride	10043-52-4	0.22 grams/1000 mL	
Sodium glycerophosphate (anhydrous)	1334-74-3	1.5 grams/1000 mL	
Magnesium sulphate	10034-99-8	0.47 grams/1000 mL	
Potassium chloride	7447-40-7	1.7 grams/1000 mL	
Sodium acetate	127-09-3	1.4 grams/1000 mL	
Glucose	50-99-7	97 grams/1000 mL	
Soybean oil	8001-22-7	39 grams/1000 mL	
Dextrose	50-99-7	6.8 grams/100 mL	

## SECTION 3 : HAZARDS IDENTIFICATION

**Emergency Overview:** Non hazardous.

**Route of Exposure:** Inhalation Ingestion Eye contact Skin Absorption. Injection.

**Potential Health Effects:** No effects expected.

**Signs/Symptoms:** No effects expected.

Aggravation of Pre-Existing  
Conditions:

No effects expected.

#### SECTION 4 : FIRST AID MEASURES

**Eye Contact:** No unusual emergency conditions are expected from this product.  
**Skin Contact:** No unusual emergency conditions are expected from this product.  
**Inhalation:** No unusual emergency conditions are expected from this product.  
**Ingestion:** No unusual emergency conditions are expected from this product.

#### SECTION 5 : FIRE FIGHTING MEASURES

**Flash Point:** Not established.  
**Flash Point Method:** Not established.  
**Auto Ignition Temperature:** Not established.  
**Lower Flammable/Explosive Limit:** Not established.  
**Upper Flammable/Explosive Limit:** Not established.  
**Fire Fighting Instructions:** Not applicable.  
**Extinguishing Media:** Not applicable.  
**Protective Equipment:** Not applicable.  
**Hazardous Combustion  
Byproducts:** Not applicable.

#### SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Personnel Precautions:** Not applicable.  
**Environmental Precautions:** Not applicable.  
**Methods for containment:** Contain spill using inert absorbent material.  
**Methods for cleanup:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. After removal, flush spill area with soap and water to remove trace residue.

#### SECTION 7 : HANDLING and STORAGE

**Handling:** Not applicable.  
**Storage:** Store at controlled room temperature 20 to 25°C (68 to 77°F). [See USP Controlled Room Temperature]. Do not freeze.  
**Work Practices:** Not applicable.  
**Hygiene Practices:** Not applicable.

#### SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

**Engineering Controls:** Not applicable. (General ventilation is sufficient if this product is being used in a controlled art studio setting for its sole intended photo-shooting purpose for the Marketing Catalog. NOTE: This product demo is a dummy for product catalog photo-shooting only; thus it is not a real pharmaceutical injectable product. It is not intended for real parenteral (injection) purposes).  
**Eye/Face Protection:** Not applicable.  
**Skin Protection Description:** Not applicable.  
**Hand Protection Description:** Not applicable.  
**Respiratory Protection:** Not applicable.

#### EXPOSURE GUIDELINES

#### SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

**Physical State:** Liquid.  
**Color:** Clear  
**Boiling Point:** Not established.  
**Melting Point:** Not established.  
**Solubility:** Soluble. in water.  
**Vapor Density:** Not established.

Vapor Pressure: Not established.  
Percent Volatile: Not established.  
pH: 5.6  
Molecular Formula: Mixture  
Flash Point: Not established.  
Flash Point Method: Not established.  
Auto Ignition Temperature: Not established.

## SECTION 10 : STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.  
Hazardous Polymerization: Not reported.  
Conditions to Avoid: Protect from freezing.

## SECTION 11 : TOXICOLOGICAL INFORMATION

Eye: Non hazardous.  
Skin: Non hazardous.  
Inhalation: Non hazardous.  
Ingestion: Non hazardous.

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: This material is not expected to cause harm to animals, plants or fish.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: This material is not expected to be a characteristic hazardous waste under RCRA.

## SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.  
DOT UN Number: Not Regulated.

## SECTION 15 : REGULATORY INFORMATION

TSCA Inventory Status: Not Regulated.  
Canada DSL: Not Regulated.

## SECTION 16 : ADDITIONAL INFORMATION

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