

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

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

Personal 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.

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**HMIS Ratings:**

HMIS Health Hazard:	0
HMIS Fire Hazard:	0

HMIS Reactivity: 0
HMIS Personal Protection: A

SDS Creation Date: September 08, 2014

SDS Revision Date: September 08, 2014

Disclaimer:

The information contained herein pertains to this material. It is the responsibility of each individual party to determine for themselves the proper means of handling and using these materials based on their purpose and intended use. Fresenius-Kabi assumes no liability resulting from the use of or reliance upon the information contained in this material safety data sheet. This material safety data sheet does not constitute the guaranty or specifications of the product.

Copyright© 1996-2015 Actio Corporation. All Rights Reserved.