

## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

**Product Name:** **Kabiven**

**Product Use/Restriction:** For intravenous infusion into a central vein as a source of calories, protein and essential fatty acids for patients requiring parenteral nutrition in four sizes 1026 ml, 1540 ml, 2053 ml, and 2566 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)

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**Health Issues Information:** (800) 551-7176

**SDS Creation Date:** September 08, 2014

**SDS Revision Date:** October 10, 2023

### SECTION 2 : HAZARD(S) 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 3 : 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	1270913	1.4 grams/1000 mL
Glucose	50-99-7	97 grams/1000 mL
Soybean oil	8001-22-7	39 grams/1000 mL
Soybean Oil USP	N/A	3.9 grams/100 ml
Amino acids, USP	N/A	3.31 grams/100 ml
Dextrose	50-99-7	9.8 grams/100 ml

## SECTION 4 : FIRST AID MEASURES

<b>Eye Contact:</b>	No unusual emergency conditions are expected from this product.
<b>Skin Contact:</b>	No unusual emergency conditions are expected from this product.
<b>Inhalation:</b>	No unusual emergency conditions are expected from this product.
<b>Ingestion:</b>	No unusual emergency conditions are expected from this product.

## SECTION 5 : FIRE FIGHTING MEASURES

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

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Not applicable.
<b>Environmental Precautions:</b>	Not applicable.
<b>Methods for containment:</b>	Contain spill using inert absorbent material.
<b>Methods for cleanup:</b>	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

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

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

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.
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## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:	This material is not expected to be a characteristic hazardous waste under RCRA.
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## 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: October 10, 2023

SDS Revision Notes: Reviewed; no revisions / no changes / no edits needed.

### Disclaimer:

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