B. Braun Medical (Imfa) Pvt. Ltd. 13/5, Zenith Apartment, Russa Road East, 2nd Lane, Swiss Park, Kolkaža 700 933. CD6: 12331126841984PTC234574

Tel : (91-33) 4067 0017 / 18 Fax : (91-33) 4067 0016

To, The Director. Regional Institute of Medical Science. Imphal

Our reference: BB/002/15

Date:14.12.2015

Subject: Authority Letter

Dear Sir.

B.Braun is a multinational organization from Melsungen, Germany, having more than 56 subsidiaries worldwide. Sharing Expertise is our logo and we believe in sharing our expertise with the healthcare professionals by providing them with the most innovative and safe products in infusion therapy which enhances efficiency of medical services in the hospital segments, thereby improving the clinical outcome and reducing the hospital stay of the patients leading to enhanced outcome of the hospital services.

We are also glad to inform you that we have a very strong network of Sales & Service team in India & throughout the globe.

We hereby authorize our distributor M/s. Nim Pharmaceuticals, having its registered office No.27 Ground Floor, Shima Plaza, Ulubari Chariali, G.S.Road, Guwahati – 781007, Assam to Quote, Supply, Collect Purchase orders, Raise Invoice & collect Payment against the tender for Hospital Care range products on our behalf in Regional Institute of Medical Science, Imphal.

We may further state that we have not authorized any other party to provide service for products and if any other party provide service on our behalf, they shall be doing it at their own risk unless otherwise notified and authorized by us in writing.

The authority letter is valid till March, 2016.

Thanking you,

Yours Sincerely,

For B. Braun Medical (India) Pvt. Ltd.

Authorized Signatory







TO WHOM IT MAY CONCERN

B. Braun Melsungen AG **Division Hospital Care** Marketing & Sales

34209 Melsungen Germany

Contact:

Ngoc Doan Lisa Tran

Fon:

05661 71-4346

Fax:

05661 71-4346

Email:

ngoc\_doan\_lisa.tran@bbraun.com

Internet:

http://www.bbraun.de

Date:

May 28, 2015

Dear Sirs,

We hereby declare that B. Braun Melsungen AG in Germany is the sole manufacturer of

# Intrafix® SafeSet With Back Check Valve

Intrafix® SafeSet with Back check valve:

- Integrated Back Check Valve for Fluid Administration with AirStop membrane for prevention of air embolism
- Acrylic copolymer membrane on nylon support for prevention of fluid spillage
- Borosilicate Glass Fibre Filter in Air-vent
- Transparent spike designed in accordance with ISO 8536-4
- Transparent drip chamber (Double)
- ISO recommended 15 micron Fluid Filter in the chamber
- Medical Grade
- DEHP free transparent tubing
- Filling volume tubing 180cm 12.7ml

# Sharp and Clear ISO piercing spike

Easy Penetration, simple piercing even of suspended containers

# Drip chamber

- Convenient drip chamber design
- Fully transparent, dome-shaped
- Upper part allows a quick drop rate check even in poor lighting
- Extended, detached drip element provides even drop formation; 20 drops = 1 ml + 0.1 ml(agua dist.)
- Flexible pumping chamber with high fluid level
- Rapid and easy adjustment of fluid level

# Fluid filter

 $\leq$  15 µm filter protects against larger particles

Chairman of Supervisory Board: Prnf. Dr. h.c. Ludwig Georg Braun

Prof. Dr. Heinz-Walter Große (Chairman) Dr. Annette Beller Otto Philipp Braun

Prof. Dr. Hanns Peter Knaebel Dr. Meinrad Lugan Caroll H. Neubauer, EL M. Markus Strotmann

Corporate Office: Melsungen Register Court: Local Court Fritziar HRB 11 000

WEEE-Reg.-No. DE 42690900

8 Braun Melsungen AG Carl-Braun-Straße 1 34212 Melsungen

# **B** BRAUN

Page 2 to the letter of May 28, 2015 to

Pressure resistant up to 2 bar: suitable for use with infusion pumps using 3 x 4.1 mm tubing

Available with integrated Back Check Valve (B.C.V)

# **Properties**

- Helps prevent air in infusion and infusion related infection
- Won't let the line run dry
- Automates priming
- Ends messy dripping
- Prevents back flow of blood into IV line

Yours sincerely,

B.Braun Melsungen AG

i.V.

Ngoc Doan Lisa Tran

i.V.

Reinhold Dittmar



For submission to the competent authorities

B. Braun Melsungen AG Hospital Care CoE Pharmaceuticals

34 209 Melsungen Germany

http://www.bbraun.de

# TO WHOM IT MAY CONCERN

We, hereby certify that B. Braun Melsungen AG is the sole manufacturer of NuTRiflex Lipid Peri which is manufactured at the following address:

B. Braun Melsungen AG Carl-Braun-Straße 1 34212 Melsungen, Germany

# Technical details:

# NuTRiflex Lipid Peri:

Sterile solution for I.V. nutrition containing amino acids, carbohydrates and lipids in a 3- chamber bag available with electrolytes.

Each bag of 1250 & 1875 ml contains the following:

from the upper, left-hand	in 1250 ml	in 1875 ml
chamber		
(glucose solution)		
Glucose monohydrate	88.0 g	132.0 g
equivalent to anhydrous glucose	80.0 g	120.0 g
Sodium dihydrogen phosphate	1.170 g	1.755 g
dilıydrate		
Zinc acetate dihydrate	6.625 mg	9.938 mg
from the upper, right-hand chamber	in 1250 ml	in 1875 ml
(lipid emulsion)		
Soya-bean oil	25.0 g	37 <b>.</b> 5 g
Medium chain triglycerides	25.0 g	37.5 g

from the lower chamber	in 1250 ml	in 1875 ml
(amino acid solution)		
Isoleucine	2.34 g	3.51 g
Leucine	3.13 g	
Lysine hydrochloride	2.84 g	
equivalent to lysine	2.26 g	3.39 g
Methionine	1.96 g	2.94 g
Phenylalanine	3.51 g	5.27 g
Threonine	1.82 g	2.73 g
Tryptophan	0.57 g	0.86 g
Valine	2.60 g	3.90 g
Arginine	2.70 g	4.05 g
Histidin hydrochloride monohydrate	1.69 g	2.54 g
equivalent to histidine	1.25 g	1.88 g
Alanine	4.85 g	7.28 g
Aspartic acid	1.50 g	2.25 g
Glutamic acid	3.50 g	5.25 g
Glycine	1.65 g	2.48 g
Proline	3.40 g	5.10 g
Serine	3.00 g	4.50 g
Sodium hydroxide	0.800 g	1.200 g
Sodium chloride	1.081 g	1.622 g
Sodium acetate triliydrate	0.544 g	0.816 g
Potassium acetate	2.943 g	4.415 g
Magnesium acetate tetrahydrate	0.644 g	0.966 g
Calcium chloride dihydrate	0.441 g	0.662 g
Citric acid monohydrate	Excipient	Excipient
Egg lecithin	Excipient	Excipient
Glycerol	Excipient	Excipient
Sodium oleate	Excipient	Excipient
Water for injections	Excipient	Excipient
Energy	4000 kcal (955 KJ)	6000 kcal (1435KJ)

This is a proprietary item manufactured by B. Braun Melsungen AG and marketed through B.Braun Medical (India) Pvt. Ltd. who is the marketing authorization holder in India.

Melsungen, 14.04.2011

B. Braun Melsungen Aktiengesellschaft

i.V.

i. A.

Katja Döring Head of Clinical Nutrition Global RA Verena Lossie Specialist Global RA

January Com

Chairman of Supervisory Board: Prof. Dr. h.c. Ludwig Georg Braun

Executive Board: Dr. rer, pol. Heinz-Walter Große (Chairman) Dr. rer. pol. Annette Beller (Vice-Chairman)

Otto Philipp Braun (Vice-Chairman)HRB 11 000 Pr. rer. nat. Wolfgang Feller
Prof. Or. ned. Hanns-Peter Knoebel WEEE-Reg.-No. DE 42690900
Dr. rer. nat. Meinrad Lugan
Caroll H. Neubauer, ELM

Corporate Office: Melsungen Register Court: Local Court Fritzlar

Address: B. Brown Melsungen AG Carl-Braun-Straße 1 34212 Melsungen Germany



# No. 241/IS/NIM/2016

# NIM Pharmaceuticals

No. 27, Gr. Floor, Shima Plaza, Ulubari Chariali,G. S. Road, Guwahati, Assam, Pin – 781 007 (India) Email : nimneindia@gmail.com Phone No. 0361 – 2733339

Dated: 07/03/2016

To
The Director
Regional Institute of Medical Sciences
Imphal, Manipur.

Through, Dr. Th. Gojendra Singh Asst. Prof. Neurosurgery Deptt. of Surgery RIMS, Imphal, Manipur.

# **RATE QUOTATION**

Dear Madam,

I would like to submit the rate quotation of the proprietary products of B Braun:

Sr. No.	Description	Manufactured by	Unit	Rate Rs.
1	Intrafix SafeSet with Back Check Valve	B Braun	1 (one)	199 (Rupees one hundred ninety nine)
2	NUTRIFLEX LIPID PERI 1250 ML	B Braun	1 (One)	3287 (Rupees three thousand two hundred eighty seven)

The proprietary certificates of the above products and authorization letters are enclosed.

Terms and conditions:

- 1. The above rates are exclusive of CST 5%.
- 2. Delivery period will be within 45 days from the date of receipt of the original supply order copy.
- 3. Payment 100 % within 14 working days from the date of submission of the bills.

Thanking you.

For, NIM PHARMACEUTICALS

(Authorised Signatory

# BBRAUN PRODUCTS - INTENSIVE AND INFUSION, SYRINGES & NEEDLES, PHARMA AND ECOFLAC

No Sr	Art Code	BBRAUN Brand Name	Generic Name (Hospital Name)	Packing	Expiry Period	Special Specification
						Advaced Fluid Aministration System with Air Stop-
						(Acrylonitrile- Vinylchoride) to prevent messy spillage,
		Intrafix Safeset,	Advanced I V			with itegrated Back Check Valve to prevent back flow of
_	4063001	with Back check	administration set	100	2yrs	blood. Bacterial retention Air vent, transparent spike
		valve	(Closed System)			designed in accordance with ISO 8536-4, Full
	•					Transparent Drip Chamber, 15 micron Fluid Filter in the
						chamber, Medical Grade, DEHP free tubing. Filling
						volume tubing - 180 cm - 12.7ml.
		;				Latex / PVC free Three Chambered Bag of 1250 ml. Each
				_		bag should provide: 40-50 gm of Amino Acids, 75-90 gm
		Nutrifley Lipid Dori	Convenience			of Carbohydrate, 45-50 gm of Fats (mixture of 50 % MCT
N	3656331	. <u>a</u>	System for	თ	2yrs	& 50 % LCT), 925-975 K Cal of Total energy and 700-
		300 1230111	Parenteral Nutrition			800 K Cal of Non Protein energy along with Calcium,
						Zinc and other electrolytes. The osmolarity of the solution

For Bbraun Medical (India) Pvt. Ltd

Authorized Signatory

# Directions for Use

B. Braun Melsungen AG - 34209 Melsungen, Germany

The ready to use conclsion for infusion contains after mixing of the contents of the indi-

Vidugi cilamocis.			
Active ingredients			
- from the upper, left chamber	in 1250 ml	in 1875 ml	in 2500 ml
Glueose mpnohydrate	88.0 g	132.0 g	176.0 g
equivalent to anhydruus glucose	<b>80.0</b> g	120.0 g	160.0 g
Sodium dihydrogen phosphate dihydrate	1.170 g	1.755 g	2.340 g
Zine acetate dihydrate	6.625 mg	9.9 mg	13.2 mg
- from the upper, right chamber	in 1250 ml	in 1875 ml	in 2580 mi
Soya-bean oil	25.0 g	37.5 g	50.0 g
Medium-ehain triglycerides	25.0 g	37.5 g	50.0 g
<ul> <li>from the lower chamber</li> </ul>	in 1250 ml	in 1875 ml	in 2508 ml
Isoleucine	2.34 g	3.51 g	4.68 g
Leucine	3.13 g	4.70 g	6.26 g
Lysine hydrochloride	2.84 g	4.26 g	5.68 g
eq. to Lysine	2.26 g	3.39 g	4.52 g
Methionine Chandragian	1.96 g	2.94 g	3.92 g 7.02 g
Phenylaranine Threonine	3.51 g 1.82 g	5.27 g 2.73 q	7.02 g 3.64 g
Tryptophen	0.57 q	0.86 q	3.04 g 1.14 g
Valine	2.60 g	3.90 q	5.20 g
Arginine	2.70 g	4.05 g	5.40 g
Histidine hydrochluride monohydrate	1,69 g	2.54 q	3.38 g
eg. to Histidiae	1.25 q	1.88 g	2.50 q
Alanine	4.85 g	7.28 q	9.70 g
Aspartic acid	1.50 g	2.25 q	3.00 g
Glutamic acid	3.50 q	5.25 q	7,00 g
Glycine	1.65 a	2.48 g	3.30 g
Proline	3.40 q	5.10 g	6.80 g
Scrine	3.00 g	4.50 g	6.00 g
Sodium hydroxide	p 008.0	1.200 g	1.60 <b>0</b> g
Sadium chloride	1.081 q	1.622 g	2.162 g
Sodium acetate trihydrate	0.544 g	0,816 g	1.088 g
Potassium acetate	2.943 g	4.415 g	5.886 g
Magnesium acetate tetrahydrate	0.644 g	0. <b>9</b> 66 g	1.288 g
Calcium chloride dihydrate	0.441 g	0.662 g	0.802 g
Amino acid content (o)	40	60	89
Total nitrogen content (g)	5.7	8.6	11.4
Carbohydrate content (g)	60	120	160
Lipid content (g)	50	75	100
Energy in the form of lipid (kl/(kcal)) Energy in the form of	1990 (475)	2985 (715)	3980 (950)
carbphydrate [kJ/(kcal)] Energy in the form of	1340 (320)	2010 (480)	2680 (640)
amino acids [kJ/(kcal)]	670 (160)	1005 (240)	1340 (320)
Non-protein energy (kJ/(kcall)	3330 (795)	4995 (1195)	6660 (1590)
Total energy (kJ/(kcal))	4000 (955)	6000 (1435)	8000 (1910)
Osmolality [mOsm/kg]	920	920	920
pH	5.0 - 6.0	5.0 ~ 6.0	5.0 - 6.0
Electrolyte content (mmol)	in 1250 ml	in 1875 mi	in 2500 ml
Sodium	50	75	100
Potassium	30	45	60
Magnesium	3.0	4.5	6.0
Calcium	3.0	4.5	6.0
Zine	0.03	0.045	0.06 96
Chloride	48 40	72 60	80
Acetate Phosphate	7.5	11.25	15
ritospirate	7.0	11,23	1.5

Citrie acid monohydrate, egg lecithin, glycerol, sodium oleate, water for injections

Pharmaceutical form
Emulsion for infusion in three-chamber bags containing 1250 ml, 1875 ml and 2500

Pharmacp-therapeure group Emulsion for intraucnous supply of amino acids, carophydrates, fat and electrolytes.

# **NuTRIflex Lipid peri**

# Emulsion for infusion

Supply of energy, essential fatty aelds, amino aelds, electrolytes and fluids during parenteral nutrition for patients with mild to moderately severe catabolism when oral or enteral nutrition is impossible, insufficient or eantraindicated

# Contraindications

- This product must not be administered in the following conditions disturbances of amino acid metabolism,
- disturbances of lipid metabolism,
- hyperkalaemia, hypernatraemia,
   unstable metabalism (e.g. severe postaggression syndrome, unstabilized diabetic metabalic situation, coma of unknown origin),
   hyperglycaemia ngt responding to insulin doses of up to 6 units insulin/haur,

- intrahepatic chalestasis, severe hepatic insufficiency,
- severe renal insufficiency.

- acute phases of eardise institution and stroke,
   acute phases of eardise infarction and stroke,
   acute thrombp-embdic events, lipid embdism.
- known hypersensitivity to egg or saya-bean protein, peanut oil or to any of the excip-

On account of its composition NuTRiflex Lipid peri should not be used for negnates, infants and children under 2 years of age.

- General contra-indications to parenteral nutrition are:

   unstable circulatory status with vital threat (states of collapse and shock),

   inadequate cellular oxygen supply,
- states of hyperhydration,
- disturbanes of the electrolyte and fluid balance, acute pulmonary oedema, decom-pensated cardiac insufficiency

Special Warnings and Special Precautions for Use
Oue to the individual needs of paediatric patients, NuTRIflex Lipid peri may not cover
sufficiently the total energy requirements. In such cases carbohydrates and I or lipids

sufficiently the total energy requirements. In such cases carbohydrates and J of lipids must be provided in addition, as appropriate. Caurion should be exercised in eases of increased serum osmolarity. As for all large-volume infusion solutions NulfRiflex Lipid peri should be administered with caution to patients with impaired cardiac or renal function. Disturbances of the fluid, electrolyte or acid-base balance, e.g. hyperhydration, hyperkalaemia, acidosis, should be carrected before the start of intison. Too rapid infusion nel lead to fluid overlaad with pathalogical serum electrolyte concentrations, hyperhydration and pulmonary oedema.

one monary odd manufagical section electrolyce (checknetholism), hyperindrates also promoters of the process of the form triglyceride cpncentration should be monitored when infusing NuTRIflex Upid peri. Fasting lipaemia should be excluded in patients with suspected disturbances of lipid metabolism before starting infusion. The administration of lipids is contra-indicated if there is fasting lipaemia. The presence of hypertriglyceridaemia 12 hours after lipid administration also indicates a disturbance of lipid metabolism.

NuTRIflex Lipid peri should be administered cautiously to patients with disturbances of lipid inetabolism, e.g. renal insufficiency, ababetes mellitus, pancreatitis, impaired hepatic function, hypothyroidism (with hypertriglyceridemia) and sepsis. If NuTRIflex Lipid peri is given to a patients with these conditions, class monitoring of serum triglycerides is mandatory.

Any sign or symptom of anaphylactic reaction (such as fever, shiveting, rash or dyspnace) should be administration of lipid it is recommendation rises to mare than 3 metabolic condition, occasional hypertriglyceridaemia or increases of the blood glucose concentration may occur. If the plasma triglyceride concentration rises to mare than 3 moni/l during administration of lipid it is recommended that the infusion rate should be reduced. Should the plasma triglyceride concentration remain above 3 mmul/l the administration should be stopped until the level nortion remain above 3 mmulfl the administration should be stopped until the level nor-

malizes. A dose reduction or interruption of administration is also indicated if the bloud glucose concentration rises to more than 14 mmolf (250 mg/dl) when administering the prod-

As with all solutions containing carbohydrates the administration of NuTRiflex Lipid peri can lead to hyperglycaemia. The bloud glucose level should be manitared. If there is hyperglycaemia the rato of infusion should be reduced or insulin should be adminis-

Intravenous infusion of amino acids is accompanied by increased urinary excretion of the trace elements, especially copper and, in particular, zine. This should be considere-

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in the dosing of trace elements, especially during long-term intravenous nutrition. NuTRITIEN Lipid peri should not be given simultaneously with blood in the same infu-sion set due to the risk of pseudoagglutination.

Moreover controls of the serum electrolytes, the water balance, the acid-base balance and - during long-term administration - of blood cell counts, coagulation status and hepatic function are necessary.

The fat content may interfere with certain laboratory measurements (e.g. bilirubin, lac-

tate dehydrogenase, oxygen saturation). If blood is sampled before (at has been adequately cleared from the blood stream.

Substitution of electrolytes, vitamins and trace elements may be necessary as required.

As NuTRIflex Lipid peri contains zine and magnesium, care should be taken when it is egadministered with solutions containing these elements.

As with all intravenous solutions strict aseptic precautions are necessary for the infusion of NuTRIflex Lipid peri.

HutRiflex Lipid peri is a preparation of complex composition. It is, therefore, strongly advisable not to add other solutions.

# Pregnancy and Lactation

Preclinical studies have not been performed with NuTRIBEx Lipid plus. The prescriber should consider the benefit! risk relationship before administering NuTRiflex Lipid peri

Breast-feeding is not recommended if wumen need parenteral nutrition in that time,

Some drugs, like insulin, may interfere with the body's lipase system. This kind of interaction seems however to be of poly limited clinical importance

Heparin given in clinical doses causes a transient release of lippgrotein lipase into the circulation. This may result initially in increased plasma lipolysis followed by a transient decrease in triglyceride clearance.

Soya-bean oil has a natural content of vitamin K., This may interfere with the therapeutic effect of columnin derivatives which should be closely monitored in patients treated with such drugs.

Oosage The dosage is adapted to the individual patients' requirements.

The maximum doily dose is 40 ml per kg body weight, corresponding to

/kg body weight per day /kg body weight per day /kg body weight per day

- 1.28 g amino acids - 2.56 g glucosc - 1.6 g fat

It is recommended that NuTRIFlex tipid peri be administered continuously. A stepwise increase of the infusion rate over the first 30 minutes up to the desired infusion rate avoids possible complications.

The maximum infusion rate is 2.5 ml/kg body weight per hour, corresponding to

jkg body weight per hour /kg body weight per hour /kg body weight per hour - 0.08 o amino acids

- 0.16 g glucose - 0.1 g fat

for a patient weighing 70 kg this corresponds to an infusion rate of 175 ml/ kg body weight per hour. The amount of amino acid administered is then 5.6 g/hour, of glucose 11.2 g/hour and of lipid 7 g/ hour.

Children over 2 years of age:

The given dosage recommendations are guiding data based on average requirements. The dosage should be individually adapted, according to age, development stage and illness, For calculation of dosage account must be taken of the hydration status of the paediatric patient

pareitaring pareita. For children, it might be necessary to start the nutritional therapy with half of the target dusage. The dusage should be increased stepwise according to the individual metabolic capacity up the maximum dosage.

Daily dose during 3" - 5" year of life:

45 ml/kg body weight, corresponding to

- 1.44 g aminu acids /kg body weight per day ~ 2.88 q glucose /kg body weight per day - 1.8 g lipid /kg body weight per day

Daily dose during 6" - 14" year of life:

30 ml/kg body weight, corresponding to

- 0.96 g amino acids /kg body weight per day

- 1.92 g glucose /kg body weight per day - 1.2 a lipid Ikg hady weight per day

The maximum rate of infusion is 2.5 mt/kg body weight per hour, corresponding to

/kg body weight per hour /kg body weight per hour /kg body weight per hour. - 0.08 g amino acids - 0.16 g glucose

Additional energy that may be required for paediatric patients should be administered in the form of glucose solutions or fat convisions, as appropriate.

Method of administration

For intravenous infusion. Especially suitable for infusion into peripheral veins.

Preparation of the mixed solution:

ternove the bag from its protective pack and proceed as follows open out the bag and lay on a solid surface

- open the peel seals to the two upper chambers by using pressure with both hands
- briefly mix the contents of the bag togethe

Preparation for infusion:
- fold the two empty chambers backwards

hang the mixing bag on the infusion stand by the centre hanging loop

remove the protective cap from the run-out port and carry out infusion using the normal technique

## Duration of use

The duration of treatment for the indications stated should not exceed 7 days

Overdose of NuTRiflex Lipid peri is not to be expected on proper administration.

Symptoms of fluid and electrolyte overdose Hypertonic hyperhydration, electrolyte imbalance and pulmonary oedema

Symptoms of amino acid overdose.

Renal amino acid losses with consecutive amino acid imbalances, sickness, vomiting and shivering.

Symptoms of alucose overdose:

Hyperglycaemia, glucosuria, dehydration, hyperosmolality, hyperglycaemic and hyper-

Summtoms of ligid overdose

Upid overdose may lead to the overload syndrome, characterised (for example) by fever, headache, abdominal pain, fatigue, hyperlipaemia, hepatomegaly with or without jaundice, splenomegaly, pathological disturbances of liver function, anaemia, reduction in platefel count, reduction in white cell count, haemorrhagic diathesis and haemorrhage, alteration or depression of blood coagulation time, prothrombin time etc.). The plasma triglyceride concentration should not exceed 3 mmol/L during infusion.

Emergency treatment, natidates,

Immediate pessation of infusion is indicated for overdose. Further therapeutic measures immental cessation or imposing mutated of overloose further overloose and their sevenity. When infusion is recommenced after the symptoms have declined it is recommended that the infusion rate be raised gradually with monitoring at frequent intervals.

Possible early reactions on the administration of lipid emulsions are: slight increase in temperature, flush, cold feeling, shivering, loss of appetite, nausea, womiting, respirator ry distress, headache, pain in the back bones, chest and lumbar region, fall or increase in blood pressure (hypotension, hypertension), hypersensitivity reactions (e.g. anaphylactic reactions, dermal cruptions).

nactor reactions, acting cryptions).

Hot flushes or blush discoloration of the skin due to reduced axygen content of the blood (cyanosis) can occur as side effects.

If these side effects occur the infusion should be discontinued or, if appropriate, the

infusion should be continued at a lower dose level.

Attention should be paid to the possibility of an overloading syndrome This can occur as a result of individually varying, genetically determined metabolic conditions and can occur at different rates and after differing doses depending on previous disorders. Overloading syndrome is associated with the following symptoms: enlargement of the

fiver (hepatomegaly) with and without joundice (icteus), enlargement of the spleen (splenomegaly), fatty infiltration of the organs, pathological hepatic function parame-ters, anaemia, reduction of white cell count (leucopenia), reduction of platelet count (thrombocytopenia), a tendency to hoemorrhage and haemorrhages, alterations or reduction in the blood coagulation factors (bleeding time, coagulation time, prothrombin time etc.), fever, hyperingaemia, headache, stomache-shee, fatigue. If signs of vein wall irritation, phlebitis, or thrombophlebitis occur, change of the infu-

sion site should be considered.

Please inform your doctor or pharmacist if you notice any undesirable effect that is not

mentioned in this leaflet.

Instructions for storage / use / handling
Do not use the product beyond the expiry date stated on the labelling.
The emulsion is to be used immediately after mixing. It can be stored at 2 - 8 °C over

9 days, plus 48 hours at 25 °C.

The ready-to-use emulsion can be stored for 4 days at 2 - B °C plus 48 hours at 25 ° C The emulsion is to be used immediately after connecting the container to the giving set. NuTRiffex Lipid peri is supplied in single dose containers. Unused residues must be discarded.

If filters are used they must be ligid-permeable.

Bo not store above 25°C.
Bo not freeze. If accidentally frozen, diseard the bag.

Only use hage that are undamaged and in which the amino acid and glucose solutions are clear. Do not use bags where there is discernible phase separation (oil drops) in the chamber containing lipid emulsion.

Keep bags in the outer carton in order to protect from light.

Date of last revision 01.2806

**B** BRAUN

B. Braun Melsungen AG 34209 Melsungen, Germany

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