

Novo Nordisk A/S	DIRECTIONS FOR USE / MATERIAL SAFETY DATA SHEET according to 91/155/EEC		
	NOVOLOG[®] MIX 70/30 (70% insulin aspart protamine suspension and 30% insulin aspart injection, [rDNA origin])		
Trade name	NovoLog [®] Mix 70/30	CAS-no.	116094-23-6 (active substance)
Chemical name	Biphasic Insulin Aspart 70 (30% Insulin Aspart [rDNA origin] protamine suspension and 70% Insulin Aspart [rDNA origin] injection).	EC-no.	
Novo Nordisk item no.			
Company	Novo Nordisk Inc. 100 College Road West, Princeton, New Jersey 08540 USA		
Emergency telephone no.			
COMPOSITION / INFORMATION ON CONTENTS			2
Hazardous ingredients	Concentration	Classification	
108-39-4 m-Cresol	0,172 % (w/v)	T;R24/25 C;R34	
108-95-2 Phenol	0,15 % (w/v)	T; R23/24/25-C;34-48/20/21/22-68	
HAZARDS IDENTIFICATIONS			3
Potential Health Effects	Inhalation of aerosols may result in a mild temporary decrease of the blood sugar level (hypoglycaemia). Skin and eye contact may cause mild irritation. Exposure to NovoLog [®] Mix 70/30 is not known to cause adverse health effects.		
Inflammatory Properties	NovoLogMix [®] 70/30 is not combustible.		
FIRST AID MEASURES			4
After swallowing	Rinse out mouth thoroughly with water and give plenty of water to drink. Do NOT provoke vomiting. Seek medical advice if symptoms persist.		
Skin contact	Remove contaminated clothes and wash contaminated skin thoroughly with plenty of water for at least 15 minutes. Seek medical advice if symptoms persist.		
Eyes	Rinse the eye immediately with plenty of water for at least 15 minutes with the eyelid held wide open. Seek medical advice if symptoms persist.		
Inhalation	Go outside to breathe fresh air.		
PRECAUTIONS IN CASE OF FIRE			5
No special precaution.			Continued

Novo Nordisk A/S	DIRECTIONS FOR USE / MATERIAL SAFETY DATA SHEET according to 91/155/EEC
	NOVOLOG[®] MIX 70/30 (70% insulin aspart protamine suspension and 30% insulin aspart injection, [rDNA origin])

ACCIDENTAL RELEASE MEASURES	6
------------------------------------	----------

Use personal protection means when removing the spillage. (See item 8). Absorbed by means of absorbing material (e.g. sand or vermiculite) and sent to proper destruction facilities. (See item 13). Clean up affected area.

HANDLING AND STORAGE	7
-----------------------------	----------

NovoLog® Mix 70/30 must be kept in tightly closed original packings in a well ventilated place.

EXPOSURE CONTROL / PERSONAL PROTECTION MEANS	8
---	----------

Limit value		Smell limit	-
-------------	--	-------------	---

Avoid contact with eyes and skin. Use protection gloves (e.g. Nitrilrubber (Solvex)). There must be easy access to plentiful water supply, emergency- or hand shower/eye rinsing bottle.

PHYSICAL AND CHEMICAL CHARACTERISTICS	9
--	----------

Appearance	White suspension with a smell of cresol/phenol	pH	App. 7,3 (at 20° C)
Chemical formula	C ₂₅₆ H ₃₈₁ N ₆₅ O ₇₉ S ₆	Molecular weight	5825,8 Dalton
Density	1,005 (at 25°C)	Freezing point	No information
Boiling point	100°C	Flash point	Not applicable
Log P octanol/water	Not applicable	Vapour pressure	No information

STABILITY AND REACTIVE POWER	10
-------------------------------------	-----------

NovoLog® Mix 70/30 is stable under normal circumstances.

TOXICOLOGICAL DATA	11
---------------------------	-----------

LD ₅₀ -value, oral (rat)		LD ₅₀ -value, dermal (rat)	-
-------------------------------------	--	---------------------------------------	---

Effects on long-term:	No	Under suspicion	Yes	Contradictory information	None
Carcinogenic	X				
Allergy (contact allergy)					X
Allergy (inhalation allergy)					X
Teratogenetic	X				
Nerve damaging	X				

Novo Nordisk A/S	DIRECTIONS FOR USE / MATERIAL SAFETY DATA SHEET according to 91/155/EEC		
	NOVOLOG[®] MIX 70/30 (70% insulin aspart protamine suspension and 30% insulin aspart injection, [rDNA origin])		
ENVIRONMENT INFORMATION			12
Do not allow to enter waters, waste water, or soil.			
DISPOSAL CONSIDERATIONS			13
This material and its container must be disposed of as hazardous waste. Spillage and waste are to be collected in proper receptacles and disposed at an approved site according to existence of local regulations regarding disposal.			
INFORMATION ON TRANSPORT			14
UN.no	-	Shipping name	-
ADR	Not dangerous goods	IMDG	Not dangerous goods
RID	Not dangerous goods	IATA	Not dangerous goods
REGULATORY INFORMATION			15
Class of risks	Not classified	Symbol:	
R-phrases:	No R-phrases		
S-phrases:	No S-phrases		
No special regulations.			
OTHER INFORMATION			16
No demand for special education, but persons handling NovoLogMix 70/30 must be familiar with the instructions mentioned in these Material Safety Data.			