

ISSUED: 02 July 2009

MATERIAL SAFETY DATA SHEET**Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

Product Name: Aminoplex Injection

Product Code: 50010 (100 mL)

Recommended Use: A vitamin and amino acid supplement for cattle, horses, dogs and cats.

Company Identification: Jurox Pty Limited

Address: 85 Gardiner Road
Rutherford NSW 2320
Australia

Customer Centre: 1800 023 312

National Poisons Information Centre: 131 126 (Australia-wide)

Emergency Telephone Number: 1800 023 312

Section 2: HAZARDS IDENTIFICATION

Hazard Classifications: Not considered a Hazardous Substance according to the criteria of NOHSC Australia.

Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

Poisons Schedule: None

Risk phrases: None

Safety phrases: None

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Pyridoxine Hydrochloride	58-56-0	2%
D Panthenol	81-13-0	1.7%
Choline Bitartrate	87-67-2	0.5%
Inositol	87-89-8	1%
D, L Methionine	59-51-8	2%
L Lysine HCl	657-27-2	2%
Glycine	56-40-6	2%
Nicotinamide (niacinamide)	98-92-0	6%
Sodium Hydroxide	1310-73-2	0.4%
Riboflavin	83-88-5	0.675%
Cyanocobalamin	68-19-9	0.025%
L Arginine HCl	119-34-2	2%
Thiamine HCl	67-03-8	2.4%
Water for Injection	7732-18-5	77%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 131126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand. Show this MSDS to a medical practitioner.
Inhalation:	Should not present an inhalation problem. Remove patient to fresh air.
Ingestion:	Unlikely to be harmful by ingestion. Overdose could produce symptoms of headache, irritability, nausea and weakness. If swallowed, DO NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. For advice, contact the National Poisons Centre on 131126.
Skin:	Remove all contaminated clothing. Wash skin well with soap and water.
Eye:	If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. If eye irritation persists, get medical advice/attention.
Injection:	Treat as for needlestick injury. Wash area well and disinfect. If other symptoms are evident, seek medical advice.
Advice to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	Not combustible.
Hazardous Combustion Products:	If involved in a fire, may evolve toxic and corrosive fumes.
Extinguishing Media:	There is no restriction on the type of fire extinguisher which may be used. Use extinguishing media appropriate for surrounding area.
Protective Equipment:	Protective gloves and breathing apparatus
HAZCHEM Code:	Not allocated.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Avoid raising dust. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precautions:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Avoid accidental self-injection. Avoid contact with skin and eyes. Wash hands after use. Use other personal protective equipment as required.
Storage:	Store below 30 °C in original container.
Other Information:	Always read the label before use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Not applicable for normal use. No exposure limits have been set for this product.
Protective Equipment:	Although not considered hazardous when handled under normal conditions with good house keeping, when handling the bulk product it is advisable to wear protective gloves, clothing and eyewear.
Engineering Controls:	Not applicable for normal use. Handle bulk product in a well-ventilated area.
Hygiene Precautions:	As for good veterinary practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, deep orange solution
Specific Gravity:	Not applicable
Solubility in Water:	Miscible
Flash Point:	Not combustible
pH:	5.0-6.0

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for at least 18 months from the date of manufacture.
Hazardous Polymerisation:	Not known to occur.
Materials to Avoid:	Not applicable.

Section 11: TOXICOLOGICAL INFORMATION

Inhalation:	Not classified as acutely toxic by inhalation.
Ingestion:	Not classified as acutely toxic by the oral route. Nicotinamide: Oral LD50; 3500 mg/kg (rat) Pyridoxine hydrochloride: Oral LD50; 4000 mg/kg (rat) Methionine: Oral LD50; 36000 mg/kg (rat) L Lysine HCl: Oral LD50; 10000 mg/kg (rat) Glycine: Oral LD50; 7930 mg/kg (rat) Arginine HCl: Oral LD50; 12000 mg/kg (rat) D-Panthenol: Oral LD50; 15000 mg/kg (mouse) Riboflavin: Oral LD50; >10000 mg/kg (rat) Cyanocobalamin: Oral LD50; >5000 mg/kg (several species)
Skin:	Not classified as a skin irritant.
Eye:	Not classified as an eye irritant.
Chronic Effects:	Possible hypersensitivity reactions. Substance accumulation may occur following repeated exposure.
Reproductive Toxicity:	Megadoses of pyridoxine (at least 500 mg/kg intraperitoneally in male rats or 5 days a week for 2 – 6 weeks) have been shown to affect spermatogenesis and decrease the weight of reproductive organs. (Ref: K. Mori et al. (1992) Archives of Toxicology. Vol. 66. No. 3. pp.198-203).
Mutagenicity:	Not determined.
Carcinogenicity:	Not known to be carcinogenic.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not known to be ecotoxic.

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of product only by using according to label or by approved waste collection.

Container Disposal: Wrap with paper and place in garbage. For bulk product containers, refer to the relevant Waste Management Authority.

Section 14: TRANSPORT INFORMATION

Dangerous Goods Classification: Not classed as a Dangerous Good for transport purposes by road, sea or air.

Section 15: REGULATORY INFORMATION

APVMA Registration No: 46907.

Section 16: OTHER INFORMATION

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.