


Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: Pacific Vet – Vitamin & Electrolyte for Poultry
Other Name[s]: Vitamin & Electrolyte for Poultry
Proper Shipping Name: Vitamin & Electrolyte for Poultry
Chemical Formula: Composition
Product Code: M-P0900, M-P0900-1, M-P0900-18, M-P0900-3
CAS Number: n/a

PRODUCT USE

Recommended Use: Animal Feed Premix for Poultry

SUPPLIER DETAILS

Company Name: Metabolik
Address: 50 Central Park Drive, Henderson, Auckland 0610, New Zealand
Telephone: 0064 9 834 3783
Email: info@imageholdings.co.nz
Website: www.imageholdings.co.nz

EMERGENCY TELEPHONE NUMBERS

National Poisons Information Centre: 0800 POISON (0800 764 766)

Emergency Telephone Number: **0800 764 766**

Other Emergency Numbers: **0064 21 934 058**

Transport Emergency: 111: Tell operator what service is needed: Fire, Ambulance, Police.

Please ensure that the limitations of this Safety Data Sheet are referred to as set out in Section 16: Other Information at the end of this document.

Section 2: HAZARD IDENTIFICATION
CLASSIFICATION OF SUBSTANCE OR COMPOSITION

Transport Classification: Not Classified as a Dangerous Goods according to NZS 5433:2012 Transport of Dangerous Goods on Land

Hazard Classifications: Classified as hazardous according to criteria in the Hazardous Substances & New Organisms Act 2015

Approval Number: HSR002521

Classification Determined by using GHS/HSNO Criteria:

- 6.1E:** Substances that are acutely toxic – May be harmful, Aspiration hazard
- 6.3B:** Substances that are mildly irritating to the skin
- 6.4A:** Substances that are irritating to the eye
- 8.3A:** Substances that are corrosive to ocular tissue
- 9.1D:** Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action
- 9.3B:** Substances that are ecotoxic to terrestrial vertebrates

LABEL REQUIREMENTS

Signal Word: DANGER



Pictogram:

HAZARD STATEMENT[s]

- H303:** May be harmful if swallowed
- H318:** Causes serious eye damage.
- H413:** May cause long lasting harmful effects to aquatic life.



PRECAUTIONARY STATEMENT(S):

Prevention:	P102: Keep out of reach of children. P103: Read label before use. P260: Do not breathe dust/fumes/gas/mist/vapours/spray. P264: Wash hands thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P312: Call a POISON CENTER/ doctor if you feel unwell. P331: Do NOT induce vomiting. P391: Collect spillage. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P332+313: If skin irritation occurs: Get medical advice/attention. P337+313: If eye irritation persists get medical advice/attention.
Disposal:	P501: Dispose of contents/container <i>in accordance with local/regional/national/international regulation.</i>
Other Hazards:	None known

Section 3: COMPOSITION INFORMATION

COMPONENT	CAS No.	PROPORTION	HAZARD CODES
Sodium Chloride	7647-141-5	<9.0%	6.1E, 6.4A
Potassium Chloride	7447-40-7	22.0%	6.1E, 6.3B, 6.4A, 9.3B
Vitamin A	127-47-9	4.0%	6.1E, 6.3B, 8.3A, 9.1D
Vitamin C	50-81-7	10.0%	6.3B, 6.4A
Balance of ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitisers)		Balance	-

Section 4: FIRST AID MEASURES

FIRST AID MEASURES

Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.

Inhalation:	If Inhalation of product occurs: <ul style="list-style-type: none"> Remove patient from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing Allow patient to assume comfortable position and keep warm and rested. Provide emergency airway support if required If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical help
Ingestion:	If ingestion occurs: <ul style="list-style-type: none"> DO NOT induce vomiting. Clean mouth with Water and then drink plenty of water, seek medical attention. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766) or Doctor Never give anything by mouth to an unconscious person. Seek medical assistance immediately
Skin:	If skin contact occurs: <ul style="list-style-type: none"> Remove all contaminated clothing immediately Wash affected area thoroughly with water Seek immediate medical assistance if irritation occurs.
Eye:	If this product comes in contact with eyes: <ul style="list-style-type: none"> Immediately hold eyelids open and flush the eye continuously with running water Continue flushing until advised to stop by Poisons Information Centre or a doctor, or for at least 15 minutes to prevent permanent injury Remove contact lenses if present and easy to do. Seek medical assistance
Advice to Doctor:	Treat symptomatically. Refer to National Poisons & Hazardous Chemicals Information Centre 0800 764 766

Product Name: **Pacific Vet – Vitamin & Electrolyte for Poultry**
 Reference: IHL-SDS180

Issue Date: 20/05/2020
 Review Date: 20/05/2025
 Version:



Section 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- If material is involved in fire use:**
- There is not restriction on type of media which may be used
 - Use extinguishing media suitable for surrounding fire based on surrounding materials
 - Use Carbon dioxide or suitable dry chemical extinguisher
 - Water Fog or Water Spray
 - Do not use water jets

SPECIFIC HAZARDS

Hazards of Combustion: No Data Available

ADVICE TO FIREFIGHTERS

- Fire Fighting**
- Alert Fire Brigade and tell them location and nature of hazard
 - Wear self-contained breathing apparatus plus suitable protective clothing
 - Prevent, spillage from entering drains and water courses
 - Use firefighting procedures suitable for surrounding area
- Protective Equipment:**
- Fire fighters should wear a positive pressure self-contained breathing apparatus [SCBA]
 - protective firefighting clothing [includes firefighting helmet, coat, trousers, boots and gloves]
 - chemical splash suit
- Fire/Explosion Hazard:** Decomposition may produce toxic fumes of Potassium Oxides, Chlorine and hydrogen chloride
- Hazchem Code:** Not regulated

Section 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear suitable protective clothing, **See section 8**

ENVIRONMENTAL PRECAUTIONS

Do not allow container or product to enter drains, sewers, streams or ponds. If contamination occurs advise local emergency services **See Section 12**

SPILLS & CONTAINMENT

Minor Spill

- Contain Spill
- Allow only trained personnel wearing appropriate protective equipment to be involved in spill response.
- Avoid accidents, clean up immediately.
- Increase ventilation.
- Avoid walking through spilled product.
- Isolate the danger area.
- Use clean, non-sparking tools and equipment.
- Mechanically collect as much of the spill as possible
- Shut off all possible sources of ignition

Major Spill

- **Medium Hazard**
- Contain Spill
- CAUTION: Advise personnel in area / surrounding area
- Contact Emergency Services [111], inform them of location and nature of hazard
- Allow only trained personnel wearing appropriate protective equipment to be involved in spill response.

DISPOSAL

- Reuse if possible
- Spill on areas other than pavement, dirt or sand may be handled by removing the affected soils and placing into approved containers
- Transfer to suitable, labelled, corrosion-resistant containers and dispose of promptly as hazardous waste.
- Dispose of in accordance with local and national regulations

Section 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS

Safe Handling

- Ensure an eye bath and safety shower are available and ready to use.
- Avoid Personal contact, including inhalation
- Wear protective clothing when risk of exposure occurs
- Use in well ventilated area
- Keep out of reach of children

Product Name: **Pacific Vet – Vitamin & Electrolyte for Poultry**
 Reference: IHL-SDS180

Issue Date: 20/05/2020
 Review Date: 20/05/2025
 Version:



Certified Handler: Not required
Tracking: Not required
Record Keeping: Not required





STORAGE PRECAUTIONS

- Suitable Container:**
 - Store in manufacturers original packaging
- Safe Storage:**
 - Store in original containers
 - Keep containers closed when not in use
 - Store in a cool, dry, well ventilated place
 - Keep out of direct sunlight.
 - Store away from sources of heat or ignition.
 - Check regularly for spills.
 - Store away from incompatible materials, foodstuff and containers
- Storage Incompatibility:**
 - Store away from Foodstuffs, Fertiliser and Seed
- Other Information:**
 - Dispose of in accordance with regulatory authority, local and national guidelines
 - Always read label before use.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application.

CONTROL PARAMETERS

Ingredient Data:

Source	Ingredient	TWA	STEL	Notes
NZ Workplace Exposure Standards [WES]	Vitamin A - 2,6-di-tert-butyl-p-cresol	2 mg/ m ³		Inhalable fraction and vapour
		10mg/m ³		
Particulates not otherwise classified		10mg/m ³	Not Available	Inspirable dust
Particulates not otherwise classified		3mg/m ³	Not Available	Dust

EXPOSURE CONTROLS

Engineering Controls: Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection

Protective Equipment:



- Eye & Face Protection:**
 - Chemical goggles
 - Restrict use of contact lenses
- Skin Protection:**
 - Wear chemical resistant gloves
 - Always wash hands before eating, drinking or using facilities
 - Protective foot wear
- Respiratory Protection:**
 - Particulate. [AS/NZ 1716, EN 143:2000 & 149:001, ANSI Z88 or national equivalent]
- Body Protection:**
 - Overalls
 - Barrier cream
- Other Protection:**
 - Eyewash Unit


Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fine Powder	Vapour Density [Air=1]:	n/a
Physical State:	Solid	Relative Density [Water=1]:	n/a
Odour:	Odourless	Auto Ignition Temp [°C]:	n/a
Odour Threshold:	n/a	Decomposition Temp:	n/a
pH [1% Solution]:	n/a	Viscosity [cSt]:	n/a
Melting Point / Freezing Point:	n/a	Molecular Weight [g/mol]:	n/a
Initial Boiling Point / Range:	n/a	Taste:	n/a
Flash Point [°C]:	n/a	Explosive Properties:	Not explosive
Evaporation Rate:	n/a	Oxidising Properties:	n/a
Flammability:	n/a	Surface Tension [mN/m]:	n/a
Upper Explosive Limit [%]:	Not explosive	Volatile Component [%vol]:	n/a
Lower Explosive Limit [%]:	Not explosive	Gas Group:	n/a
Vapour Pressure [kPa]:	n/a	VOC g/l:	n/a
Solubility in water [g/l]:	Partly		

Section 10: STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions of use, storage and temperature
Hazardous Reactions:	Constituents may react violently with Sulphuric Acid at 600°C
Conditions to avoid:	Heating and Moisture
Incompatible Materials:	Oxidising agents and strong acids
Hazardous Decomposition Products	May produce toxic fumes on decomposition including those of Potassium Oxides, Chlorine and hydrogen chloride

Section 11: TOXICOLOGICAL INFORMATION
TOXICOLOGICAL EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	May be harmful if ingested		
Inhalation:	May irritate upper respiratory tract		
Skin:	Mildly irritating to skin		
Eye:	Corrosive to ocular tissue		
Chronic Effects:	Unknown		
Acute Toxicity:	✓	Carcinogenic:	✗
Skin Irritation/ Corrosion:	✓	Reproductive Effects:	✗
Serious Eye Damage/Irritation:	✓	Specific Target Organ – SE:	✗
Respiratory / Skin Sensitiser:	✓	Specific Target Organ – RE:	✗
Mutagenic:	✗	Aspiration Hazard:	✓

Legend:

- ⊕ Data not available to make classification
- ✓ Data Available to make classification
- ✗ Data available but does not fill criteria for classification

TOXICOLOGICAL DATA: No LD50 data available for the product. However, Exposure Standard(s) for constituent(s):

Product	Toxicity	Irritation
Sodium Chloride	Oral [Rat] 3000 mg/kg	Not available
Potassium Chloride	Oral [Rat] 2600 mg/kg	Not available
Ascorbic Acid	Oral [Rat] LD50 11900 mg/kg	Not available
	Oral [Mouse] LD50 8000 mg/kg	


Section 12: ECOLOGICAL INFORMATION
Ecotoxicity: Avoid contaminating waterways

Bioaccumulation Unknown

ECOLOGICAL DATA: No LC50 data available for the product. However, Exposure Standard(s) for constituent(s):

Product	Endpoint	Duration [hr]	Species	Value
Sodium Chloride	LC50	96	Fish	6750 mg/l
	EC50	48	Daphnia	2024 mg/l
	IC50	72	Algae	3014 mg/l
Potassium Chloride	LC50	96	Fathead Minnow	800 mg/L
	LC50	48	Daphnia Magna	357 mg/L
	EC50	48	Daphnia Magna	141 mg/L
Vitamin A - Retinyl Acetate	LC50	96	Oncorhynchus kiss	1.37 mg/l
	EC50	48	Daphnia magna	46 mg/l
	EC50	72	Scenedesmus subspicatus	0.103 mg/l
Vitamin A - 2,6-di-tert-nutyl-p-cresol	LC0	96	Brachydanio rerio	0.57 mg/l
	EC0	48	Daphnia magna	0.48 mg/l
	EC50	72	Scenedesmus subspicatus	0.40 mg/l
Ascorbic Acid	LD50	96	Rainbow Trout	1020 mg/L
Ascorbic Acid	MIC	48	Dreissena polymorpha	>50 mg/L

DEGRADABILITY

Product	Degradability Water/Soil
Ascorbic Acid	Degree of Elimination 90-100% [15 days][1]

BIOACCUMULATION

Product	Bioaccumulation
Ascorbic Acid	The product is not bioaccumulating [n-octanol/water]: -2.15

Section 13: DISPOSAL INFORMATION
Disposal: Refer to local government authority for disposal recommendations. Dispose of contents/container in accordance with local/regional/national/international regulations. Empty containers must be either rendered totally unusable, or if to be recycled for use, decontaminated by rinsing thoroughly with water. Rinsing water needs to be disposed of carefully

The following controls should be considered:

- Reduction
- Reuse
- Recycle
- Disposal

Disposal of materials or packaging must be carried out in accordance with Hazardous Substances Regulations 2001

Section 14: TRANSPORT INFORMATION
LABELLING REQUIREMENTS

Label: Not required
Marine Pollutant: No
Hazchem: Not regulated

LAND / AIR / SEA TRANSPORT Not regulated for transport of Dangerous Goods [UN]

Product Name: **Pacific Vet – Vitamin & Electrolyte for Poultry**
 Reference: IHL-SDS180

Issue Date: 20/05/2020
 Review Date: 20/05/2025
 Version:



Section 15: REGULATORY INFORMATION

REGULATIONS

HSR Number	Group Standard
HSR002521	Animal Nutritional and Animal Care Products Group Standard 2017

LOCATION TEST CERTIFICATE

Hazard Class	Closed Container Controls	Open Container Controls
Not required	Not required	Not required

TRACKING REQUIREMENTS

Not applicable

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown at the bottom right of page, and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.

