

# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** HYDRACEL ADVANCED ELECTROLYTE REPLACER FOR HORSES  
**Other Names:** HYDRACEL  
**Manufacturer's Product Code:** VAL3100, VAL3103, VAL3106  
**Recommended Use:** Electrolyte formula for horses designed to replace electrolyte ions.  
**Company:** Zoo Pets Pty Ltd  
**Address:** Unit 4, 3 Terrace Road, North Richmond NSW 2766  
PO Box 335, Horsley Park NSW 2175  
**Telephone Number:** +61 (0)2 4571 4211 (Business Hours Only)  
**Fax Number:** +61 (0)2 4571 4928  
**Emergency Telephone Number:** +61 (0)2 4571 4211 (Mon-Thur 9:00am – 5:00pm, Fri 9:00am – 4:30pm);  
Answering machine after hours. General Information.

## SECTION 2 HAZARDS IDENTIFICATION

Not hazardous according to the criteria of NOHSC Australia.

**Risk Phrases:** Not applicable  
**Safety Phrases:** Not applicable  
**HSNO Hazard Classification:** Not applicable

## SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

### INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
Sodium Chloride	7647-14-5	56.5
Potassium Chloride	7447-40-7	30.6
Magnesium Oxide	1309-48-4	3.0
Betaine	107-43-7	1.6
Apple Flavour		0.10

## 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, label or MSDS at hand.

**Inhalation:** Inhalation is not normally harmful. Remove from contaminated area – avoid becoming a casualty. Remove to fresh air and monitor breathing. Recovery is rapid after removal from exposure. Inhalation is not normally harmful. If breathing becomes difficult, consult a doctor and show a copy of this MSDS.

**Ingestion:** Swallowing small quantities is not normally harmful. Immediately rinse mouth with water. Seek medical advice.  
Induce vomiting using Ipecac (APF) if available. If not, put finger down throat. Seek medical advice.

**Skin:** A small amount of skin contact is not normally harmful. Remove contaminated clothing and wash skin thoroughly before eating or drinking. Wash with soap and water. Wash contaminated clothing before reuse.

**Eye:** Hold eyes open, flood with water for 15 minutes. Seek medical advice.

**Advice to Doctor:** Treat symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Use extinguishing media suited to the fire environment.

**Hazards from Combustion Products:** Moderately combustible, decomposition may give rise to toxic and noxious fumes. Advise Fire Brigade of the nature of the hazard. In fire, spray water on decomposing mass. Fight upwind if outdoors. Wear self contained breathing apparatus in enclosed spaces.

**Special Protective Precautions and Equipment for Fire Fighters:** In fire, spray water on decomposing mass. Fight upwind if outdoors. Wear self contained breathing apparatus in enclosed spaces

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<b>Emergency Procedures: Methods and Materials for Containment and Clean Up:</b>	No special requirements  Sweep up, avoid producing dust. All sweepings, including broken packages must be safely disposed of. Wash down with large quantities of water. Avoid contaminating sewers and watercourses.
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## SECTION 7 HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Avoid contact with skin and eyes. When handling this product, wash hands before eating, drinking, smoking or using the toilet. See section 8 for details of personal protection measures.
<b>Conditions for Safe Storage (Including Any Incompatibles):</b>	Keep outer containers tightly closed and out of reach of children. Store in a cool, dry, shaded place away from combustible materials, foodstuffs, strong acids, oxidising agents, foodstuffs, herbicides and fungicides. Adhere to storage requirements as listed on label. Not classified as dangerous goods.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits:</b>	No exposure limits have been assigned to this product.
<b>Biological Limit Values:</b>	No biological limits have been assigned to this product.
<b>Engineering Controls:</b>	Ensure ventilation is adequate to maintain airborne dust concentrations below Occupational exposure standards.
<b>Personal Protection:</b>	Observe good industrial hygiene practices. Wear appropriate protective clothing: long sleeve shirt, trousers, glasses, gloves, dust mask when handling. If there is risk of inhalation hazard, wear a particulate respirator, conforming to AS1716-1982.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder – light brown colour
<b>Odour:</b>	Not applicable
<b>Vapour Pressure:</b>	Not determined
<b>Vapour Density:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	Not determined
<b>Solubility in Water:</b>	NOT Miscible
<b>Specific Gravity:</b>	Not determined
<b>Flash Point:</b>	Not applicable
<b>pH:</b>	9.5 – 10.5 at 25°(5g in 100ml Distilled Water)
<b>Lower Explosion Limit:</b>	Not applicable
<b>Upper Explosion Limit:</b>	Not applicable
<b>Ignition Temperature:</b>	Not applicable
<b>Flammability:</b>	Moderate – avoid concentration of dust in enclosed areas

## SECTION 10 STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Product is not likely to react or decompose under normal storage conditions. May decompose under extreme heat (for example, in case of fire).
<b>Conditions to Avoid:</b>	Avoid conditions of extreme heat (fire). Avoid contact with strong acids, alkalis and their associated carbonates.
<b>Incompatible Materials:</b>	Strong oxidising agents; strong acids; strong alkalis. Sodium chloride component may react violently with Bromium trifluoride and Lithium. Potassium chloride component is incompatible with silver salts and concentrated sulphuric acid. Contact with hot nitric acid may cause toxic nitrosyl chloride. Contact with other strong acids may produce irritating hydrogen chloride gas.

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**Hazardous Decomposition Products:** Upon thermal decomposition, may emit smoke and toxic/corrosive gases including Hydrogen Chloride, Sodium Oxide (Na<sub>2</sub>O), Potassium oxides, Sulphur Oxides.

**Hazardous Reactions:** No hazardous reactions such as polymerization known. See also above "Incompatible Materials".

## SECTION 11 TOXICOLOGICAL INFORMATION

Considered to be practically non harmful by all exposure routes. Nevertheless, as with any premix, ingestion, inhalation of dust and prolonged or repeated skin contact should be avoided by good standards of industrial hygiene. Supersensitive individuals with skin or eye problems, kidney or asthmatic conditions should be precluded from exposure to this product.

### Health Effects:

#### Acute:

**Sodium Chloride:** LD50 oral (rat): 3000mg/kg  
Lowest Toxic Dose (human): 8.2g/kg

**Potassium Chloride:** LD50 oral (rat): 3000mg/kg  
LDL<sub>0</sub> (human): 2600mg/kg  
Other components: Data unknown

**Inhalation:** Inhalation of dust may cause respiratory irritation.

**Ingestion:** Virtually non-toxic by ingestion. Ingestion of excessive amounts may result in Irritation of the gastrointestinal tract, nausea and vomiting.

**Skin:** May cause irritation if in contact with skin. Possible skin rash after prolonged contact.

**Eye:** May cause irritation, lachrimation, redness and pain.

**Chronic Effects:** No information found to indicate that this product is a chronic health hazard. Repeated or prolonged ingestion of large amounts of salts can lead to a rise in blood pressure and resulting systemic effects such as oedema.

### Toxicity to Other

**Domestic Species:** No animal should be given very large amounts of salts. Do not administer to horses with high blood pressure levels; do not mix with Alkaline Salts.

## SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** No environmental toxicity expected with normal use volumes.  
Aquatic toxicity (Sodium Chloride): TLm 96>1000 ppm  
Limits for other ingredients unknown.

**Persistence and Degradability:** Data not available

**Mobility:** Data not available

## SECTION 13 DISPOSAL CONSIDERATIONS

**Product Disposal:** Data not available

**Container Disposal:** Dispose of in accordance with Local, State and Federal EPA waste regulations. Plastic pail packaging is suitable for re-use (triple rinse with water prior to reuse).

**Special Precautions for Land Fill or Incineration:** Data not available

## SECTION 14 TRANSPORT INFORMATION

**Dangerous Goods Classification:** Not classified as dangerous goods. No special transport conditions.

**UN Number:** Not applicable

**UN Proper Shipping Name:** Not applicable

**Class and Subsidiary Risk:** Not applicable

**Packing Group:** Not applicable

**Special Precautions for User:** Not applicable

**Hazchem Code:** Not applicable

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## SECTION 15 REGULATORY INFORMATION

<b>Poisons Schedule:</b>	Not scheduled
<b>EPG:</b>	Not applicable
<b>AICS Name:</b>	Not applicable
<b>NZ Toxic Substance:</b>	Not applicable
<b>HSNO Hazard Classification:</b>	Not applicable
<b>ERMA Approval Code:</b>	Not applicable

## SECTION 16 OTHER INFORMATION

This product has been manufactured to GMP (Good Manufacturing Practices) standards in a fully licensed facility and is Australian owned and made.

Contact Point: Product Manager, Zoo Pets Pty Ltd  
Phone: +61 (0)2 4571 4211 (Business Hours Only)  
Fax: +61 (0)2 4571 4928

This MSDS is prepared in accordance to the "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)].

**This MSDS contains only safety related information. For other data see product literature.**

### Acronyms/Abbreviations:

<	less than
>	greater than
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>ADG</b>	Australian Dangerous Goods Code
<b>CAS</b>	Chemical Abstracts Service (Registry Number)
<b>CO2</b>	Carbon Dioxide
<b>COD</b>	Chemical Oxygen Demand
<b>ERMA</b>	Environmental Risk Management Authority
<b>HSNO</b>	Hazardous Substance and New Organism
<b>IATA</b>	International Air Transport Association
<b>IDLH</b>	Immediately Dangerous to Life and Health
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>LC50</b>	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
<b>LD50</b>	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
<b>Misc</b>	miscible
<b>N/A</b>	Not Applicable
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>OECD</b>	Organization for Economic Co-operation and Development
<b>PEL</b>	Permissible Exposure Limit
<b>RCP</b>	Reciprocal Calculation Procedure
<b>STEL</b>	Short Term Exposure Limit
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average
<b>UN</b>	United Nations (number)
<b>cm<sup>2</sup></b>	square centimetres
<b>deg C ( 'C )</b>	degrees Celsius
<b>g</b>	gram
<b>g/cm<sup>3</sup></b>	grams per cubic centimetre

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<b>g/l</b>	grams per litre
<b>immiscible</b>	liquids are insoluble in each other
<b>kg</b>	kilogram
<b>kg/m<sup>3</sup></b>	kilograms per cubic metre
<b>ltr</b>	Litre
<b>m<sup>3</sup></b>	cubic metre
<b>mPa.s</b>	milli Pascal per second
<b>mbar</b>	millibar
<b>mg</b>	milligram
<b>mg/24H</b>	milligrams per 24 hours
<b>mg/kg</b>	milligrams per kilogram
<b>mg/m<sup>3</sup></b>	milligrams per cubic metre
<b>miscible</b>	liquids form one homogeneous liquid phase regardless of the amount of either component present
<b>mm</b>	millimetre
<b>ppb</b>	parts per billion
<b>ppm</b>	parts per million
<b>ppm/2h</b>	parts per million per 2 hours
<b>ppm/6h</b>	parts per million per 6 hours
<b>tne</b>	tonne
<b>ug/24H</b>	micrograms per 24 hours
<b>wt</b>	weight

This SDS summarises Zoo Pets Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Zoo Pets Pty Ltd expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the SDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

**END OF SDS**