



**RANVET PTY LTD**  
**ACN 001 606 033**

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**MATERIAL  
SAFETY  
DATA SHEET**

**1 IDENTIFICATION**

**Product name:** Ranvet's Neutrolene Plus body acid neutraliser & Alkali Reserve Replacer with added Buffer Salts

**Other names:** Not applicable

**Manufacturer's Code:** Not applicable

**Use(s):** NEUTROLENE PLUS has been formulated as an aid in the treatment of "sweaty" horses, and horses that are particularly prone to ACIDOSIS, DEHYDRATION and MYOPATHY ("TYING-UP"). The acid-absorbing Buffer Salts in Neutrolene Plus have the effect of returning the pH of the body fluid to a fixed normal. Acid build-up is more effectively neutralized, and excessive sodium losses counteracted.

**UN number:** Not classified under present regulations

**Dangerous Goods Class:** Not classified under present regulations

**Hazchem code:** Not classified under present regulations

**Poisons schedule:** Not classified under present regulations

**PHYSICAL DESCRIPTION & PROPERTIES**

**Appearance:** Dark brown liquid with distinct caramel odor.

**Boiling/Melting point:** Not determined

**Vapour pressure:** Not determined

**Specific gravity:** 1.26 ± 0.06 @ 25°C  
**Flashpoint:** Not applicable  
**Flammability Limits:** Not applicable  
**Solubility in Water:** Not applicable  
**Other Properties:** Caramel odour

**INGREDIENTS:**

Chemical entity	CAS No	Proportion (per Litre)
Sodium Citrate	77-86-1	279.26 g
Citric Acids	5949-29-1	93.23 g
Trometamol (Tris Buffer)		11.08 g
Other non hazardous ingredients		Secret

This is a commercial product and the exact ratio of components may vary. Trace quantities of impurities are also likely.

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## II HEALTH HAZARD INFORMATION

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### HEALTH EFFECTS

**Acute:** Grossly excessive intake may lead to hypernatraemia or high blood sodium levels – while excessive citric acid may have a local irritant action.

**Swallowed:** Grossly excessive amounts may lead to hypernatraemia and local irritation of the lining of the intestinal tract.

**Eye:** Local irritation

**Inhaled:** Not applicable

**Chronic:** Hypernatraemia and irritation of intestinal tract

### FIRST AID

**Swallowed:** Small amounts – no specific treatment required. Large amounts – treat as for hypernatraemia - administer water or other sodium free liquid

**Eye:** Flush copiously with clean water

**Skin:** Flush copiously with clean water

**Inhaled:** Not applicable

**First aid facilities:** Access to potable and clean water.

**Advise to doctor:** Evaluate for hypernatraemia

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### III PRECAUTIONS FOR USE

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Exposure standards: None determined

Engineering controls: Not applicable

Personal protection: No specific requirement

Flammability: Not applicable

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### IV SAFE HANDLING INFORMATION

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Storage & transport: Store in a cool, dry place under 30°C (room temperature), with lid applied tightly.

Spills and Disposal: Take up spilled liquid with an absorbent material (sand, sawdust, vermiculite, etc.) and dispose of in an authorised landfill area, where refuse is buried at least 500mm below surface.

Fire and explosion hazard: Nil

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### CONTACT POINT

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Quality Assurance Manager  
RANVET PTY LTD

**This product is registered by the Australian Pesticides and Veterinary Medicines Authority.  
Approval No. 37953**

**DISCLAIMER:** The information provided in this MSDS is based upon sources believed to be accurate. However, the Company assumes no responsibility for the accuracy, completeness or suitability of this information. The product user is responsible for determining the suitability of this information for their particular purpose.