



RANVET PTY LTD
ACN 001 606 033

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**MATERIAL
SAFETY
DATA SHEET**

Emergency Telephone No: A/H +61 (0418) 493 533

1 IDENTIFICATION

- Product name:** Ranvet's Neutrolene Plus with Buffer Salts and Choline
- Other names:** Not applicable
- Manufacturer's Code:** Not applicable
- Use(s):** NEUTROLENE PLUS CHOLINE 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"). Ranvet NEUTROLENE PLUS CHOLINE supplies a palatable formulation of acid-absorbing Buffer Salts to effectively return pH to a normal level. Ranvet NEUTROLENE PLUS CHOLINE provides an extra blood buffer to aid in neutralising acid build-up and counteract sodium losses and Choline to meet the increased demands that stress places on a horse's liver.
- 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: 1.19 ± 0.2 @ 25°C

Flashpoint: Not applicable

Flammability Limits: Not applicable

Solubility in Water: Not applicable

Other Properties: Caramel odour

INGREDIENTS:

Chemical entity	Proportion (per Litre)
Citric Acids	79.32 g
Sodium Citrate Dihydrate	236.42 g
Trometamol (Tris Buffer)	11.08 g
Choline	56.3 mg
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.

II HEALTH HAZARD INFORMATION

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

III PRECAUTIONS FOR USE

Exposure standards: None determined
Engineering controls: Not applicable
Personal protection: No specific requirement
Flammability: Not applicable

IV SAFE HANDLING INFORMATION

Storage & transport: Store in a cool, dry place under 25°C (air conditioning), 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

CONTACT POINT

Quality Assurance Manager
RANVET PTY LTD

This product is registered by the Australian Pesticides and Veterinary Medicines Authority. Approval No. 57948

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.