

# Randlab Frusemide Injection

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

|                             |   |
|-----------------------------|---|
| Trade Name:                 | <b>Randlab Frusemide Injection</b>                            |
| Product Use:                | For diuresis and saluresis in dogs, cats, horses and cattle.  |
| This version issued:        | July, 2025 and is valid for 5 years from this date.           |
| Poisons Information Centre: | Phone 13 1126 from anywhere in Australia                      |
| National Poisons Centre:    | Phone 0800 POISON (0800 764 766) from anywhere in New Zealand |

## SECTION 2 - HAZARDS IDENTIFICATION

| Hazard Class          | Hazard Category | Hazard Code | Hazard Statement      |
|-----------------------|-----------------|-------------|-----------------------|
| Acute toxicity - Oral | Category 4      | H302        | Harmful if swallowed. |

Signal word: Warning

GHS Pictogram:



### Precautionary statements

#### PREVENTION

P264: Wash exposed skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

#### RESPONSE

P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

P330: Rinse mouth.

#### DISPOSAL

P501: Dispose of content, container according to the label.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients       | CAS No  | Concentration |
|-------------------|---------|---------------|
| Furosemide        | 54-31-9 | 5.0%          |
| Other ingredients | Secret  | to 100        |

## SECTION 4 - FIRST AID MEASURES

### General Information

If you feel that you may have been harmed, or irritated by this product, you should call: Poisons Information Centre, from anywhere in Australia and is available at all times, the number is 13 11 26. National Poisons Centre, from anywhere in New Zealand and is available at all times, the number is 0800 POISON (0800 764 766). Have this MSDS with you when you call.

**Inhalation:** IF INHALED: Remove to fresh air and keep comfortable for breathing. Call a Poison Centre or doctor if you feel unwell.

**Skin Contact:** IF ON SKIN: Wash with plenty water. If skin irritation or rash occurs, get medical advice/attention.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion:** IF SWALLOWED: Rinse mouth. Call a Poison Centre or doctor if you feel unwell.

## Randlab Frusemide Injection

### SECTION 5 - FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Use extinguishing media suited to burning materials or the cause of fire.

**Protective Equipment:** As in any fire, wear full protective gear.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use appropriate protective clothing. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

**Environmental Precautions:** For minor spills, prevent spilled material from entering water ways, clean up and absorb spills with inert material and place in waste containers, labelled for disposal. Contain in a secure location until disposal method is established. Dispose of waste safely. Avoid release to the environment.

In the event of a major spill, prevent spillage from entering drains or water ways and call emergency services.

### SECTION 7 - HANDLING AND STORAGE

**Handling:** Avoid all contact. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed.

**Approved Handlers:** Not applicable

**Tracking:** Not applicable

The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace.

**Storage:** Store below 30°C (room temperature), protect from light. Do not refrigerate.

Check packaging, there may be further storage instructions on the label.

Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Occupational exposure limits:**                      **SWA Exposure Limits**    **TWA (mg/m3)**    **STEL (mg/m3)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

**Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Ventilation:** Handle in a well ventilated area. Make sure that the work environment remains clean.

**Eye Protection:** Prevent eye contact, wear safety glasses or goggles.

**Skin Protection:** Prevent skin contact, wear suitable impervious gloves when handling this product.

**Respirator:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Protective Material Types:** The glove material has to be impermeable and resistant to the product being used/handled.

**Respiratory equipment:** AS/NZS 1715

**Protective Gloves:** AS 2161

**Industrial Eye Protection:** AS1336 and AS/NZS 1337

**Occupational Protective Clothing:** AS/NZS 4501 2008

**Occupational Protective Footwear:** AS/NZS 2210

## Randlab Frusemide Injection

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| Physical Description & Colour:                | Colourless to slightly yellow solution free of particulate matter |
| Odour:  | No data   |
| Odour Threshold:                              | No data   |
| pH:   | 8.0 - 9.3   |
| Melting point/Freezing point:                 | No data   |
| Initial boiling point and boiling range:      | No data   |
| Flash point:                                  | No data   |
| Flammability (solid, gas):                    | No data   |
| Upper/Lower flammability or explosive limits: | No data   |
| Vapour pressure:                              | No data   |
| Vapour density:                               | No data   |
| Relative density:                             | 1.00 – 1.04   |
| Solubility (ies):                             | No data   |
| Partition coefficient: n-octanol/water:       | No data   |
| Auto-ignition temperature:                    | No data   |
| Decomposition temperature:                    | No data   |
| Kinematic viscosity:                          | No data   |
| Particle characteristics:                     | No data   |

### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** Stable under normal conditions of use and storage. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** Store below 30°C (room temperature), protect from light. Do not refrigerate.

**Incompatibilities:** No information.

**Fire Decomposition:** Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

### SECTION 11 - TOXICOLOGICAL INFORMATION

|                            |  |
|----------------------------|--|
| Acute toxicity:            | Data for ingredient Furosemide:  |
|                            | Acute Tox. 3   |
|                            | Classification route species:<br>(oral)  |
|                            | Classification description:<br><b>H301:</b> Toxic if swallowed.  |
|                            | Classification key study:<br><b>Dose Descriptor:</b> LD50<br><b>Value:</b> 243 mg/kg bw                              |
|                            | <b>Oral Route</b>  |
|                            | <b>Species:</b> Guinea pig<br><b>Endpoint:</b> LD50<br><b>Value:</b> 243 mg/kg bw<br><b>Reference source:</b> [EMEA] |
|                            |  |
|                            |  |
|                            |  |
| Skin corrosion/irritation: | No data  |

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|   |         |
|---|---------|
| Serious eye damage/eye irritation:                    | No data |
| Respiratory or skin sensitisation:                    | No data |
| Germ cell mutagenicity:                               | No data |
| Carcinogenicity:                                      | No data |
| Reproductive toxicity:                                | No data |
| Specific target organ toxicity-<br>single exposure:   | No data |
| Specific target organ toxicity-<br>repeated exposure: | No data |
| Aspiration hazard:                                    | No data |

### SECTION 12 - ECOLOGICAL INFORMATION

|                                |         |
|--------------------------------|---------|
| Aquatic:                       | No data |
| Terrestrial:                   | No data |
| Persistence and degradability: | No data |
| Bioaccumulative:               | No data |
| Mobility in soil:              | No data |

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Product Disposal:** Preferably dispose of product by use in accordance with label directions.

**Container Disposal:** Dispose of empty containers by wrapping in paper and putting in garbage.

### SECTION 14 - TRANSPORT INFORMATION

|   |                |
|---|----------------|
| UN Number:  | Not applicable |
| UN Proper Shipping Name:                                | Not applicable |
| UN Dangerous Goods Class:                               | Not applicable |
| UN Packaging Group:                                     | Not applicable |
| Environmental Hazards:                                  | Not applicable |
| Special Precautions When<br>Transporting The Substance: | Not applicable |

### SECTION 15 - REGULATORY INFORMATION

APVMA Approval No: 94504/142610

## Randlab Frusemide Injection

### SECTION 16 - OTHER INFORMATION

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

**Acronyms:**

|                    |  |
|--------------------|--|
| <b>CAS number:</b> | Chemical Abstracts Service Registry Number |
| <b>GHS:</b>        | Globally Harmonized System                 |
| <b>UN Number:</b>  | United Nations Number                      |
| <b>SWA:</b>        | Safe Work Australia                        |
| <b>TWA:</b>        | Time Weighted Average                      |
| <b>STEL:</b>       | Short Term Exposure Limit                  |

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.