

## Section 1 - Identification of The Material and Supplier

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**Product Name:** Pentoflex 100mg/ml Injection  
**APVMA Codes:** 85262  
**Product Use:** An aid in the treatment of non-infectious inflammatory joint disease in dogs.  
**Other Names:** Pentosan Polysulfate Sodium

**Creation Date:** January,2024

**Revision Date:** January 2028

**Poisons Information Centre:** Phone 13 1126 from anywhere in Australia

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

**This product is classified as:**

Not classified as hazardous according to the criteria of SWA.  
Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/ IMSBC criteria.

**SUSMP Classification:**

S4

**ADG Classification:**

None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:**

None allocated

**GHS Signal word:**

NONE. Not hazardous.

### PREVENTION

**P102:**

Keep out of reach of children.

**P262:**

Do not get in eyes, on skin, or on clothing.

### RESPONSE

**P337:**

If eye irritation persists: seek medical attention.

**P353:**

Rinse skin or shower with water.

**P301+P330+P331:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P370+P378:**

Not combustible. Use extinguishing media suited to burning materials.

### STORAGE

**P410:**

Protect from sunlight.

**P411:**

Store at temperatures not exceeding 25°C.

### DISPOSAL

**P501:**

Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

## Emergency Overview

### **Physical Description &**

**Colour:**

Clear, pale straw coloured liquid with no sedimentation.

**Odour:**

Slight odour of acetic acid and benzyl alcohol.

**Major Health Hazards:**

No significant risk factors have been found for this product.

## SAFETY DATA SHEET

### Section 3 - Composition/Information on Ingredients

| Ingredients                     | CAS No     | Conc, % | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|---------------------------------|------------|---------|--------------------------|---------------------------|
| Pentosan polysulfate sodium     | 37319-17-8 | 100g/L  | not set                  | not set                   |
| Other non hazardous ingredients | various    | 2-6     | not set                  | not set                   |
| Water                           | 7732-18-5  | to 100% | not set                  | not set                   |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

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.

### Section 4 - First Aid Measures

#### General Information

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

- Self Injection:** Accidental self injection may lead to an inflammatory response. Medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied. Check your tetanus immunisation status.
- Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
- Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
- Eye Contact:** No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
- Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

### SAFETY DATA SHEET

## Section 5 - Fire Fighting Measures

### Fire and Explosion

**Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials. Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. Flash point: Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

## Section 6 - Accidental Release Measures

**Accidental release:** This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, refer to product label for specific instructions. No special protective clothing is normally necessary because of this product. However it is good practice to wear latex gloves when handling injectables. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

## Section 7 - Handling and Storage

**Safe Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Refrigerate, preferably between 2 and 8°C, but do not freeze. Protect this product from light. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

### SAFETY DATA SHEET

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

| <b>SWA Exposure Limits</b>        | <b>TWA (mg/m<sup>3</sup>) STEL (mg/m<sup>3</sup>)</b>  |
|-----------------------------------|--|
| <b>Exposure limits:</b>           | Exposure limits have not been established by SWA for any of the significant ingredients in this product.<br><br>No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. |
| <b>Ventilation:</b>               | No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.   |
| <b>Eye Protection:</b>            | Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.   |
| <b>Skin Protection:</b>           | The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.   |
| <b>Protective Material Types:</b> | We suggest that protective clothing be made from the following materials: latex.   |
| <b>Respirator:</b>                | Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.  |

## Section 9 - Physical and Chemical Properties:

|   |  |
|---|--|
| <b>Physical Description &amp; colour:</b> | Clear, pale straw coloured liquid with no sedimentation. |
| <b>Odour:</b>                             | Slight odour of acetic acid and benzyl alcohol.          |
| <b>Boiling Point:</b>                     | Approximately 100°C at 100kPa.                           |
| <b>Freezing/Melting Point:</b>            | Approximately 0°C.                                       |
| <b>Volatiles:</b>                         | Water component.   |
| <b>Vapour Pressure:</b>                   | 2.37 kPa at 20°C (water vapour pressure).                |
| <b>Vapour Density:</b>                    | No data.   |
| <b>Specific Gravity:</b>                  | 1.13 approx  |
| <b>Water Solubility:</b>                  | Completely soluble in water.                             |
| <b>pH:</b>                                | 6.0 to 7.0 (undiluted)                                   |
| <b>Volatility:</b>                        | No data.   |
| <b>Odour Threshold:</b>                   | No data.   |
| <b>Evaporation Rate:</b>                  | No data.   |
| <b>Coeff Oil/water Distribution:</b>      | No data  |
| <b>Autoignition temp:</b>                 | Not applicable - does not burn.                          |

### SAFETY DATA SHEET

## Section 10 - Stability and Reactivity

|                            |  |
|----------------------------|--|
| <b>Reactivity:</b>         | This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.<br>Conditions to Avoid: Refrigerate, preferably between 2 and 8°C, but do not freeze. Protect this product from light.  |
| <b>Incompatibilities:</b>  | No particular Incompatibilities.   |
| <b>Fire Decomposition:</b> | Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Most will have a foul odour. Water, sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. |
| <b>Polymerisation:</b>     | This product will not undergo polymerisation reactions.  |

## Section 11 - Toxicological Information

### Local Effects

|                       |  |
|-----------------------|--|
| <b>Target Organs:</b> | There is no data to hand indicating any particular target organs.<br>Persons who have taken pentosan orally report a variety of side effects, primarily gastrointestinal complaints such as diarrhoea, heartburn, stomach pain. Hair loss, headache, rash, insomnia have also been reported. |
|-----------------------|--|

## Classification of Hazardous Ingredients

| <b>Ingredient</b>  | <b>Risk Phrases</b> |
|--|---------------------|
| No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations. |                     |

## Potential Health Effects

### Inhalation

|                             |   |
|-----------------------------|---|
| <b>Short Term Exposure:</b> | Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation. |
| <b>Long Term Exposure:</b>  | No data for health effects associated with long term inhalation.  |

### Skin Contact

|                             |   |
|-----------------------------|---|
| <b>Short Term Exposure:</b> | Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use. |
| <b>Long Term Exposure:</b>  | No data for health effects associated with long term skin exposure.   |

### Eye Contact

|                             |  |
|-----------------------------|--|
| <b>Short Term Exposure:</b> | This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed. |
| <b>Long Term Exposure:</b>  | No data for health effects associated with long term eye exposure.   |

## SAFETY DATA SHEET

### Ingestion

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

**Long Term Exposure:** No data for health effects associated with long term ingestion.

### Carcinogen Status

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## Section 12 - Ecological Information

Insufficient data to be sure of status. Expected to not be an environmental hazard.

## Section 13 - Disposal Considerations

**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting with domestic garbage. Discarded needles/sharps should immediately be placed in a designated and appropriately labelled "sharps" container. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

## Section 14 - Transport Information

**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

## Section 16 - Other Information

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

### Acronyms:

|                     |   |
|---------------------|---|
| <b>ADG Code</b>     | Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)                     |
| <b>AICS</b>         | Australian Inventory of Chemical Substances   |
| <b>SWA</b>          | Safe Work Australia, formerly ASCC and NOHSC  |
| <b>CAS number</b>   | Chemical Abstracts Service Registry Number  |
| <b>Hazchem Code</b> | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| <b>IARC</b>         | International Agency for Research on Cancer   |
| <b>NOS</b>          | Not otherwise specified   |

## SAFETY DATA SHEET

**NTP**  
**SUSMP**  
**UN Number**

National Toxicology Program (USA)  
Standard for the Uniform Scheduling of Medicines & Poisons  
United Nations Number

**Please read all labels carefully before using product.**

THIS SDS 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 SDS 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.

**SAFETY DATA SHEET**