## 1. Identification of Substance & Company

### Product

| | |
|---|---|
| **Product name** | Pink Scour Trim tabs |
| **Other names** | NA |
| **ACVM approval** | A010572 |
| **HSNO approval** | HSR100757 |
| **Approval description** | Veterinary Medicine (Limited Pack Size, Finished Dose) Group Standard 2017 |
| **UN number** | NA |
| **DG class** | NA |
| **Proper Shipping Name** | NA |
| **Packaging group** | NA |
| **Hazchem code** | NA |
| **Uses** | Veterinary medicine |

### Company Details

| | |
|---|---|
| **Company** | **Phoenix Pharm Distributors** |
| **Address** | 3C Whetu Place<br>Rosedale<br>North Shore<br>Auckland 0632<br>New Zealand |
| **Telephone** | +64 9 476 7391 |
| **Website** | www.phoenixvet.co.nz/ |

**Emergency Telephone Number: 0800 POISON (0800 764 766)**

## 2. Hazard Identification

### Approval in New Zealand

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR100757, Veterinary Medicine (Limited Pack Size, Finished Dose) Group Standard 2017): The substance has been classified as hazardous according to the criteria in the Hazardous substances (Minimum Degrees of Hazard) Notice 2017.

| Classes | Hazard Statements |
|---|---|
| 6.1E (oral) | H303 - May be harmful if swallowed |
| 6.1E (respiratory irritation) | H335 - May cause respiratory irritation. |
| 6.3A | H315 - Causes skin irritation. |
| 6.4A | H319 - Causes serious eye irritation. |
| 6.5A | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| 6.5B | H317 - May cause an allergic skin reaction. |
| 6.8B | H361 - Suspected of damaging fertility or the unborn child. |
| 6.9B | H373 - May cause damage to organs through prolonged or repeated exposure. |
| 9.3C | H433 - Harmful to terrestrial vertebrates. |

**SYMBOLS**

**DANGER**

### Other Classification

There are no other classifications that are known to apply.

### Precautionary Statements

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/eye protection/face protection*.
P281 - Use personal protective equipment as required.
P285 - In case of inadequate ventilation wear respiratory protection.*

P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P304+P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P308+P313 - IF exposed or concerned: Get medical advice/ attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

## 3. Composition / Information on Ingredients

| Component | CAS/ Identification | Conc (%) |
|---|---|---|
| sulfadiazine | 68-35-9 | 24.62% |
| Sulfamerazine | 127-79-7 | 24.62% |
| Sulfadimidine | 57-68-1 | 24.62% |
| Trimethoprim | 738-70-5 | 4.92% |
| Color E123 Amarant (red) Mon | 915-67-3 | 0.01% |
| Lactose | 63-42-3 | 4.11% |
| Magnesium Stearate | 557-04-0 | 1.49% |
| Sodium Amylum Glycolas | 9063-38-1 | ;13.08% |
| Povidone | 9003-39-8 | 2.54% |

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

## 4. First Aid

### General Information

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service). IF exposed or concerned: Get medical advice/ attention.

**Recommended first aid facilities** Ready access to running water is required. Accessible eyewash is required.

### Exposure

**Swallowed** Do NOT induce vomiting. Give a glass of water to drink. Call a POISON CENTRE or doctor/physician if you feel unwell.

**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.

**Skin contact** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Inhaled** IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.

### Advice to Doctor

Treat symptomatically

## 5. Firefighting Measures

| | |
|---|---|
| **Fire and explosion hazards:** | There are no specific risks for fire/explosion for this chemical. It is non-flammable. |
| **Suitable extinguishing substances:** | Carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam. |
| **Unsuitable extinguishing substances:** | Unknown. |
| **Products of combustion:** | Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. |
| **Protective equipment:** | Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection. |
| **Hazchem code:** | NA |

## 6. Accidental Release Measures

| | |
|---|---|
| **Containment** | If greater than 1000kg is stored, secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm water. |
| **Emergency procedures** | In the event of spillage alert the fire brigade to location and give brief description of hazard. Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). |
| **Clean-up method** | Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. |
| **Disposal** | Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. |
| **Precautions** | Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. |

## 7. Storage & Handling

| | |
|---|---|
| **Storage** | Store locked up. Store at room temperature (25°C). Protect from direct sunlight and light. Protect from heat, sources of ignition. Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Avoid contact with incompatible substances as listed in Section 10. |
| **Handling** | Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. |

## 8. Exposure Controls / Personal Protective Equipment

### Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m$^3$ for respirable particulates and 10mg/m$^3$ for inhalable particulates when limits have not otherwise been established.

| NZ Workplace Exposure Stds | Ingredient | WES-TWA* | WES-STEL |
|---|---|---|---|
| | No ingredients listed | | |

### Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

### Personal Protective Equipment

**Eyes**

Avoid contact with eyes. Use safety glasses and or chemical splash goggles if dusts are possible. Select eye protection in accordance with AS/NZS 1337.

**Skin**

Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Nitrile rubber gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking or smoking. Wash hands after handling.

**Respiratory**

A respirator when airborne concentrations approach the WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. Use a respirator with a particulate filter. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary.

### WES Additional Information

Not applicable

## 9. Physical & Chemical Properties

| | |
|---|---|
| **Appearance** | Pink oblong tablet |
| **Odour** | no data |
| **pH** | no data |
| **Vapour pressure** | no data |
| **Viscosity** | no data |
| **Boiling point** | no data |
| **Volatile materials** | no data |
| **Freezing / melting point** | no data |
| **Solubility** | no data |
| **Specific gravity / density** | no data |
| **Flash point** | no data |
| **Danger of explosion** | no data |
| **Auto-ignition temperature** | no data |
| **Upper & lower flammable limits** | no data |
| **Corrosiveness** | no data |

## 10. Stability & Reactivity

| | |
|---|---|
| **Stability** | Stable |
| **Conditions to be avoided** | Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames. |
| **Incompatible groups** | none known |
| **Substance Specific Incompatibility** | none known |
| **Hazardous decomposition products** | Oxides of carbon, nitrogen oxides, sulfur oxides. |
| **Hazardous reactions** | none known |

## 11. Toxicological Information

### Summary

IF SWALLOWED:
IF IN EYES: causes serious eye irritation.
IF ON SKIN: causes skin irritation. Sensitised individuals may experience an allergic skin reaction.
IF INHALED: dusts may cause respiratory irritation. sensitised individuals may experience allergy or asthma symptoms or breathing difficulties if inhaled.
CHRONIC TOXICITY: repeated/prolonged exposure may affect fertility or the unborn child.

### Supporting Data

| | | |
|---|---|---|
| **Acute** | **Oral** | Using $LD_{50}$'s for ingredients, the calculated $LD_{50}$ (oral, rat) for the mixture is between 2000 and 5000 mg/kg. Data considered includes: sulfadiazine 1500mg/kg (mouse), Trimethoprim 1500 to 1850 mg/kg bw (rat), Lactose 10000mg/kg (rat), Povidone 1040 mg/kg (rabbit). |
| | **Dermal** | No evidence of dermal toxicity. |
| | **Inhaled** | No evidence of acute inhalation toxicity. However the mixture may cause respiratory irritation. |
| | **Eye** | The mixture is considered to be an eye irritant, because some of the ingredients present are considered eye irritants in more concentrated form. |
| | **Skin** | The mixture is considered to be a skin irritant, because some of the ingredients present are considered skin irritants in more concentrated form. |
| **Chronic** | **Sensitisation** | The mixture is considered to be a contact and respiratory sensitizer. Sulfadiazine is considered a respiratory and contact sensitiser. |
| | **Mutagenicity** | No ingredient present at concentrations > 0.1% is considered a mutagen. |
| | **Carcinogenicity** | No ingredient present at concentrations > 0.1% is considered a carcinogen. |
| | **Reproductive / Developmental** | The mixture is considered to be a suspected reproductive or developmental toxicant. Sulfadimidine is classed 6.8B by EPA> |
| | **Systemic** | The mixture is considered to be a suspected target organ toxicant. Trimethoprim is classed 6.9B by EPA. |
| | **Aggravation of existing conditions** | None known. |

## 12. Ecological Data

### Summary

This mixture may be harmful towards terrestrial vertebrates. In all cases prevent run-off to drains, sewers and waterways.

### Supporting Data

| | |
|---|---|
| **Aquatic** | Using $EC_{50}$'s for ingredients, the calculated $EC_{50}$ for the mixture is > 100 mg/L. Data considered includes: sulfadiazine 0.135mg/L (7 days, Microcystis aeruginosa (blue-green algae), 88MG/l (48HR, Daphnia magna). |
| **Bioaccumulation** | No data |
| **Degradability** | This mixture is biodegradable. |
| **Soil** | No evidence of soil toxicity. |
| **Terrestrial vertebrate** | See acute oral toxicity. |
| **Terrestrial invertebrate** | No evidence of toxicity towards terrestrial invertebrates. |
| **Biocidal** | no data |
| **Environmental effect levels** | No EELs are available for this mixture or ingredients |

## 13. Disposal Considerations

| | |
|---|---|
| **Restrictions** | There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents. |
| **Disposal method** | Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment. |
| **Contaminated packaging** | Disposal of contaminated packaging must comply with the Hazardous Substances (Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging. |

## 14. Transport Information

**Land Transport Rule: Dangerous Goods 2005 - NZS 5433:2007**

There are no specific restrictions for this product (not a dangerous good).

| | | | |
|---|---|---|---|
| **UN number:** | NA | **Proper shipping name:** | NA |
| **Class(es)** | NA | **Packing group:** | NA |
| **Precautions:** | NA | **Hazchem code:** | NA |

## 15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR100757, Veterinary Medicine (Limited Pack Size, Finished Dose) Group Standard 2017. All ingredients appear on the New Zealand Inventory of Chemicals NZIoC.

### Specific Controls

| Key workplace requirements are: | |
|---|---|
| SDS | To be available within 10 minutes in workplaces storing any quantity. |
| Inventory | An inventory of all hazardous substances must be prepared and maintained. |
| Packaging | All hazardous substances should be appropriately packaged including substances that have been decanted, transferred or manufactured for own use or have been supplied |
| Labelling | Must comply with the Hazardous Substances (Labelling) Notice 2017. |
| Emergency plan | Required if > 1000kg is stored. |
| Certified handler | Not required. |
| Tracking | Not required. |
| Bunding & secondary containment | Required if > 1000kg is stored. |
| Signage | Required if > 10000kg is stored. |
| Location compliance certificate | Not required. |
| Flammable zone | Not required. |
| Fire extinguisher | Not required. |

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

### Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

ACVM registration number: A010572

## 16. Other Information

### Abbreviations

| | |
|---|---|
| **Approval Code** | Approval HSR100757, Veterinary Medicine (Limited Pack Size, Finished Dose) Group Standard 2017 Controls, EPA. www.epa.govt.nz |
| **CAS Number** | Unique Chemical Abstracts Service Registry Number |
| **$EC_{50}$** | Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species) |
| **EPA** | Environmental Protection Authority (New Zealand) |
| **GHS** | Globally Harmonised System of Classification and Labelling of Chemicals |
| **HAZCHEM Code** | Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters |
| **HSNO** | Hazardous Substances and New Organisms (Act and Regulations) |
| **IARC** | International Agency for Research on Cancer |
| **LEL/UEL** | Lower Explosive Limit/ Upper Explosive Limit |
| **$LD_{50}$** | Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats). |
| **$LC_{50}$** | Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats) |
| **MSDS (SDS)** | Material Safety Data Sheet (or Safety Data Sheet) |
| **NZIoC** | New Zealand Inventory of Chemicals |
| **STEL** | Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded |
| **TWA** | Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours) |
| **UN Number** | United Nations Number |
| **WES** | Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone. |

## References

| | |
|---|---|
| **Data** | Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID). |
| **Controls** | EPA notices, www.epa.govt.nz, Health and Safety at Work (Hazardous Substances) Regulations 2017, www.legislation.govt.nz |
| **WES** | The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site – www.worksafe.govt.nz. |
| **Other References:** | Suppliers SDS, EU ECHA, ingredients SDS's, ChemIDplus |

## Review

| **Date** | **Reason for review** |
|---|---|
| August 2019 | Not applicable – new SDS |

## Disclaimer