

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS Product identifier: Triocil Medicated Wash For Dogs, Cats and Horses  
Other means of identification: Not Applicable  
Recommended use of the product and restrictions on use: A medicated wash for dogs, cats and horses  
Supplier's Details: Pharmachem  
Unit 6, 70 Fison Ave West  
Eagle Farm QLD 4009  
Telephone: (07) 3868 0333  
Facsimile: (07) 3868 0344  
Contact Person: Mr Gray Boston  
Emergency phone number: (07) 3630 1654

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of Product:

This product is classified as a health hazard in accordance with the following classification criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition.

Health hazards: Causes skin irritation, causes eye irritation, skin sensitizer, carcinogen

Skin irritant Category 2

GHS label elements, including precautionary statements:

Pictogram:



Signal word: Warning

Hazard statements: Causes skin irritation

Precautionary statements:

Prevention: Keep out of reach of children  
Wear suitable protective clothing and gloves  
Do not eat drink or smoke when using this product  
Wash hands thoroughly after handling

Response: If on skin wash with plenty of soap and water  
If skin irritation occurs get medical advice/attention

Eye irritant: Category 2

GHS label elements, including precautionary statements:

Pictogram:



Signal word: Warning

Hazard statements: Causes eye irritation

Precautionary statements:

Prevention: Avoid contact with eyes. Wear safety glasses / goggles  
Wash hands thoroughly after handling  
Response: If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical advice.

Skin sensitizer: Category 1  
GHS label elements, including precautionary statements:  
Pictogram:



Signal word: Warning  
Hazard statement: May cause an allergic skin reaction  
Precautionary statements:  
Prevention: Wear protective gloves and clothing.  
Response: If on skin wash with plenty of soap and water.  
If skin irritation or rash occurs get medical advice.  
Wash contaminated clothing before re-use.

Carcinogen: Category 1

GHS label elements, including precautionary statements:  
Pictogram:



Signal word: Danger  
Hazard statement: May cause cancer  
Precautionary statements:  
Prevention: Wear protective gloves and clothing  
Response: If exposed or concerned get medical advice/attention.

Other Health Hazards: None known

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Cas No.	Proportion
Hexetidine	141-94-6	5 g/L
Ammonium Dodecyl Sulphate	2235-54-3	500 g/L
Proprietary, Inert Shampoo Base	Not Applicable	<100 g/L
Dye and Fragrance	Not Applicable	<3.0g/L
pH adjustment (Hydrochloric acid / Ammonium Chloride)		<10 g/L
Special Methylated Spirits	64-17-5	<30 g/L
Formaldehyde	50-00-0	1.3 g/L
Water	7732-18-5	QS 1L

## SECTION 4 FIRST AID MEASURES

The following First Aid directions have been set for this product by the Office of Chemical Safety (OCS) of the Commonwealth Department of Health and Aging:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

(*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals*)

The following general information is provided for further assistance, if necessary, while implementing the First Aid measures above.

Skin: Wash affected parts with soap and water  
Eyes: Irrigate with copious quantities of water for 15 mins. Seek medical assistance if effect persists  
Ingestion: See above  
Inhaled: Remove affected person to a well-ventilated area with fresh air.

Advice to Doctor: Treat symptomatically

## SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, chemical powder or carbon dioxide  
Hazards from combustion products: Will give off oxides of nitrogen and carbon as well as formaldehyde on combustion

Special protective precautions and equipment for fire fighters: Firefighters should wear full protective clothing including self-contained breathing apparatus.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures: Spilled materials will make surfaces slippery. Contain spills using impervious materials or inert absorbent materials.

Methods and materials for containment and clean up: Spills should be absorbed with inert material such as sand, clay or proprietary clean up materials and placed in drums or other receptacles for transport to an approved local authority disposal facility.

## SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Produces slippery surfaces when spilled. Clean up any spillages immediately  
Conditions for safe storage, including any incompatibilities: Store below 30°C (room temperature) in the original container out of direct sunlight

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: No value assigned for this specific material by NOHSC  
Engineering Controls: Use with adequate ventilation  
Personal Protective Equipment: Special personal protective equipment is not required for this material.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Orange moderately viscous clear liquid  
Odour: Floral fragrance  
pH: 6.0 – 6.5  
Viscosity: 300 – 700 cPs  
Specific gravity: 1.01

## SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	Generally stable. However, hexetidine will slowly decompose when exposed to light.
Conditions to avoid:	Store out of direct sunlight
Incompatible materials:	No information available
Hazardous decomposition products:	No hazardous decomposition products known
Hazardous reactions:	No hazardous reactions known

## SECTION 11 TOXICOLOGICAL INFORMATION

### Routes of Exposure:

Exposure to Triocil can occur through ingestion and eye or skin contact. The major routes of exposure are expected to be eye and skin contact. There are no toxicology data available for Triocil. Information has been provided for individual ingredients.

### Signs and Symptoms of Overexposure:

Eye:	Contact with eyes may cause irritation.
Skin:	Contact with skin may cause irritation and possible rash.
Ingestion:	May cause gastrointestinal tract irritation with nausea, vomiting and diarrhea.
Inhalation:	May cause irritation of the respiratory tract and lung tissue.

### Formaldehyde:

#### Skin corrosion/irritation

Skin - Rabbit

Result: Corrosive after 3 minutes to 1 hour of exposure - 20 h  
(OECD Test Guideline 404)

#### Serious eye damage/eye irritation

Eyes - Rabbit

Result: Corrosive - 7 d  
(OECD Test Guideline 405)

#### Respiratory or skin sensitisation

Maximisation Test - Guinea pig

Result: Causes sensitisation.  
May cause allergic skin reaction.  
(OECD Test Guideline 406)

#### Carcinogenicity

IARC: 1 - Group 1: Carcinogenic to humans (Formaldehyde)

NTP: Known to be human carcinogen (Formaldehyde)

OSHA: OSHA specifically regulated carcinogen (Formaldehyde)

#### Additional Information

RTECS: LP8925000

Liver - Irregularities - Based on Human Evidence

### Hexetidine:

#### Acute toxicity:

Acute oral LD <sub>50</sub> :	Rats	>1000 mg/kg bw
Acute subcutaneous LD <sub>50</sub> :	Rats	1430 mg/kg bw
	Mice	2150 mg/kg bw
	Dogs	1600 mg/kg bw
Acute intraperitoneal LD <sub>50</sub> :	Mice	77.5 mg/kg bw
	Rats	30 – 85 mg/kg bw

No long-term effects observed from chronic dietary intake in rats and dogs. No reproduction or mutagenic effects were observed in respective tests. No evidence of skin irritation or sensitisation in tests conducted on human volunteers.

Ammonium dodecyl sulfate:

Acute toxicity:

Acute oral LD <sub>50</sub> :	Rat	100 mg/kg
Acute inhalation LC <sub>50</sub> :	Rat	454000 mg/m 4h

## SECTION 12 ECOLOGICAL INFORMATION

No information available regarding Triocil.

Limited information available suggests that hexetidine, ammonium dodecyl sulfate and formaldehyde may be slight aquatic hazards. As a precaution, do not allow undiluted product or large quantities of diluted product to reach ground water, water courses or sewage systems.

## SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:

The following disposal directions for containers have been approved by the APVMA:

Small containers (up to 1L):

Dispose of empty container by wrapping with paper and putting in garbage.

Large containers (greater than 1L):

Triple-rinse container into the medicated water, dip, drench, etc. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean container to recycler or designated collection point. If not recycling, break, crush, or puncture container and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the broken, crushed or punctured containers 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

In addition, do not burn empty containers or unused product. Unused product may be disposed of in local municipal landfill.

Special precautions for landfill or incineration:

Seek advice from local government authority before disposing of unused product in municipal landfill.

## SECTION 14 TRANSPORT INFORMATION

Not defined as Dangerous Goods by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

No special transport arrangements or provisions are required for this material.

## SECTION 15 REGULATORY INFORMATION

This product has been registered by the Australian Pesticides and Veterinary Medicines Authority (APVMA). In granting registration to any product, the APVMA has exercised its legislative responsibility to ensure that the product is suitably formulated and properly labelled and, when used according to instructions is:

- safe to the host, the user, consumers and the environment;
- efficacious (that is, the product does the job it claims it shall do); and
- not unduly prejudicial to trade.

The APVMA uses the services of a number of Australian and State government agencies as advisers to help with some of these evaluations of applications for registration of agricultural and veterinary chemical products. These include:

- the Office of Chemical Safety (OCS) of the Commonwealth Department of Health and Ageing which:

- evaluates and reports on toxicology and metabolism studies; proposes first aid and safety directions; determines poison schedule classifications; and establishes acceptable daily intakes (ADIs) and acute reference doses (ARfD); and
- evaluates the occupational health and safety aspects of an application and recommends safety directions and occupational controls on use and advises on a Material Safety Data Sheet (MSDS);
- the Commonwealth Department of the Environment and Heritage (DEH) which evaluates environmental data and recommends appropriate use controls and instructions for the product that will protect the environment; and
- State and Territory departments responsible for agricultural and primary industries which evaluate and reports on efficacy and target crop or animal safety data for new agricultural chemicals and new uses of registered products. In some cases, the APVMA contracts this work out to other agencies such as universities, the CSIRO or to other experts.

Although all ingredients appear in the Australian Inventory of Chemical Substances (AICS), they have not been assessed by NICNAS (National Industrial Chemicals Notification and Assessment Scheme).

## SECTION 16 OTHER INFORMATION

MSDS version:	1
Date of Revision:	January 2017
Update of sections:	Update to GHS

### CONTACT POINT

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### References:

1. FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals, (as updated)
2. Approved Criteria For Classifying Hazardous Substances, NOHSC:1008 (2004)
3. National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011]
4. AICS (Australian Inventory of Chemical Substances), Safework Australia
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, Version 4.1, (as updated)
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, (as updated)
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 7<sup>th</sup> Edition
8. The Poisons Standard (as updated), National Drugs and Poisons Schedule Committee
9. Hazardous Substances Information System, Safework Australia (as updated)
10. Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition, United Nations, New York and Geneva, 2009
11. NIOSH Pocket Guide to Chemical Hazards
12. Chemical Classification and Information Database (CCID) (as updated), New Zealand Environmental Protection Authority, <http://www.epa.govt.nz/search-databases/Pages/HSNO-CCID.aspx>

All information contained in this Material Safety Data Sheet is as accurate and up to date as possible. Since Pharmachem cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Pharmachem will not be responsible for damages of any nature resulting from use of or reliance upon the information. No expressed or implied warranties are given other than those implied as mandatory by Commonwealth State or Territory legislation.