

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name: Pharma-Chemical Pharmonia

Other names: Not Applicable

Recommended use: Disinfectant wash for animals

Supplier Details: Pharmachem  
Unit 6, 70 Fison Ave West  
Eagle Farm QLD 4009  
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Contact Person: Mr Gray Boston

Emergency Telephone: (07) 3630 1654

## SECTION 2 HAZARDS IDENTIFICATION

This product is classified as hazardous according to the classification criteria of NOHSC:1008 (2004), Approved Criteria For Classifying Hazardous Substances and the National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)].

Hazard Classification: Hazardous Substance, Dangerous Goods

Risk Phrases: Xn – Harmful  
Xi – Irritant  
R21 – Harmful if in contact with skin  
R22 – Harmful if swallowed  
R36 – Irritating to eyes  
R38 – Irritating to skin

This product is not listed as a poison in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) published by the National Drugs & Poisons Scheduling Committee (NDPSC).

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	Cas No.	Proportion
Cresylic Acid (Mixed Cresols)	1319-77-3	30 g/L
Sodium hydroxide	1310-73-2	10 g/L
Potassium hydroxide	1310-58-3	<5 g/L
Oleic acid	112-80-1	<60 g/L
Water	Not Applicable	QS 1 L

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## 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*. If swallowed, do NOT induce vomiting. Give a glass of water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. If spilt on skin, remove any contaminated clothing, wash skin thoroughly with soap and water, then methylated spirit.

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

FIRST AID FACILITIES:            Ensure adequate wash-down facilities are available

## SECTION 5 FIRE FIGHTING MEASURES

This material is approximately 90 % w/v water. It is not expected to be the source of a fire hazard. However if it is involved in a fire the following information should be considered based on the presence of mixed cresols in the product.

Suitable extinguishing media:            Dry chemical, water spray, fog or foam. Do not use water jet.

Hazards from combustion products:            This product contains 3% mixed cresols. Cresols in their pure form will produce toxic fumes and carbon oxides when burned and may be explosive. They will react with metals and may evolve flammable hydrogen gas. They are highly reactive with oxidizing agents, sulfuric or nitric acids.

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

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures:            Contain spills using impervious materials or inert absorbent materials. Do not allow material to enter waterways or sewers.

Methods and materials for containment and clean up:            Spills should be absorbed with inert material such as clay or proprietary clean up materials and placed in drums or other receptacles for transport to an approved local authority disposal facility. Workers cleaning up spilled product should wear eye protection and clothing to protect the skin.

## SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Keep away from heat. Do not allow to stand in direct sunlight.

Conditions for safe storage, including any incompatibilities: Keep lid tightly closed. Store in a cool dry place, below 30°C (Room Temperature). Do not store with strong oxidizing agents. Do not store where product may come into contact with metals such as brass, copper, aluminium or bronze.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: There are no exposure standards set specifically for this product. However, the product contains 3% w/v mixed cresols and the following information is provided with respect to the presence of this material in the product.

Time Weighted Average (TWA)

For mixed cresols: 22 mg/m<sup>3</sup> (TWA) skin  
5 mg/kg (ppm) skin

Engineering controls: Natural ventilation only except in confined spaces where a local exhaust should be provided

Personal protective equipment: Equipment to protect eyes and skin should be provided when handling the concentrate

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape): Clear, amber, moderately viscous liquid

Odour: Phenolic

Specific gravity or density: 1.00 – 1.01

pH 9.8 – 10

## SECTION 10 STABILITY AND REACTIVITY

Chemical stability: Stable. May react with strong oxidizing agents and acids

Incompatible materials: Strong oxidizing agents, nitric and sulfuric acids. Product should be segregated from these materials

## SECTION 11 TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure

Toxicity To Mammals (Mixed Cresols):

Acute oral LD <sub>50</sub>	Rats	1454 mg/kg
	Mice	760 mg/kg
	Rabbit	1400 mg/kg
Acute dermal LD <sub>50</sub>	Rabbit	2000 mg/kg

## SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Cresols degrade rapidly in the environment and concentrations in water, even in worst case conditions, would not approach the levels that would pose a chronic aquatic toxicity hazard. Their half-life is 70 days or less.

For benthic crustaceans concentrations below 0.525-0.70 mg cresols/L of water were not acutely toxic. The 24hr - LC<sub>50</sub> values for fish are 15-30, 21-25, and 14-21 mg/L. Of the three isomers, m-cresol appears to be the least toxic to fish.

The vapor pressure of the isomeric cresols suggests that these compounds will evaporate slowly.

The relatively high water solubility of the cresol isomers indicates that wet deposition may remove them from the atmosphere. This is confirmed by the detection of cresols in rainwater.

The short atmospheric residence time expected for the cresols suggests that cresols will not be transported long distances from their initial point of release. All cresol isomers appear to be rapidly removed from environmental media.

Environmental precautions: Do not contaminate sewers or waterways with product or used container.

## SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods for product and containers: Consult your local government authority before disposing of this product. Do not burn product or containers.

Do not prepare more wash solution than is required for the specific job for which it is prepared.

If unwanted wash solution remains after a treatment and it cannot be used elsewhere for another approved purpose, it should be disposed of in a local authority approved landfill, or buried as per used containers below if no landfill is available. If unwanted concentrate needs to be disposed of, it should be taken to an approved local authority collection point or landfill. Where no approved local authority landfill or collection point is available, dilute the product to minimum wash strength and dispose of as for containers.

Product which has been contained and retrieved from spillages should be disposed of in an approved local authority landfill or as indicated above if no approved local authority landfill is available. Do not wash spilled material into sewers, drains or other waterways.

Do not use container for any other purpose. Containers should be triple rinsed with water immediately when empty, adding rinse to the disinfectant wash. Crush empty containers after piercing top, sides and bottom and dispose of by burying under 500 mm of soil where contamination of water sources will not occur.

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## SECTION 14 TRANSPORT INFORMATION

Considered dangerous goods for transport under The Australian Code for the Transport of Dangerous Goods by Road and Rail and IATA Dangerous Goods Regulations

UN Number:	2076
UN Proper Shipping Name:	Cresols
Class:	6.1
Subsidiary Risk:	8
Packaging Group:	II
Hazchem Code:	2X

## 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).

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## SECTION 16 OTHER INFORMATION

Date of last revision of the MSDS: January 07

### 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, March 2005
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 (2003)]
4. AICS (Australian Inventory of Chemical Substances)
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, October 2005
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, August 2001
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6<sup>th</sup> Edition

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.