

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name: Pharmachem Antiseptic Dusting Powder
Other names: None Allocated
Recommended use: An antiseptic powder for use following dehorning,
speying or castrating cattle
Supplier 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 Telephone: (07) 3630 1654

SECTION 2 HAZARDS IDENTIFICATION

This product is classified as not 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 2nd Edition [NOHSC:2011(2003)]:

(Note – The levels of salicylic acid and zinc oxide are below the concentration cut off levels that would otherwise make this material a hazardous substance)

POISONS SCHEDULE: 5 (Based on presence of boric acid)

SWALLOWED: May be harmful if swallowed. Vomiting and diarrhoea may occur. Considered an unlikely route of entry in commercial / industrial environments.

EYES: The material may be irritating and mildly abrasive to the eyes.

SKIN: Mildly irritating to skin.

INHALED: Moderately irritating to respiratory tract and mucous membranes. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis may incur further disability if excessive concentrations of particulate are inhaled.

ADVICE TO DOCTORS: Treat symptomatically.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	Cas No.	Proportion
Boric Acid	10043-35-3	250 g/kg
Zinc Oxide	1314-13-2	100 g/kg
Salicylic Acid	69-72-7	50 g/kg
Inert filler	Not Applicable	QS 1kg

SECTION 4 FIRST AID MEASURES

The following First Aid directions have been set 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. Telephone 131126. (*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals*)

However the following additional information is provided for assistance in emergent circumstances:

SWALLOWED: Contact a doctor or Poisons Information Centre

EYES: Immediately hold eyes open and wash continuously with water for 15 minutes. Ensure irrigation under the eyelids by occasionally lifting upper and lower lids. Seek medical attention promptly.

SKIN: Remove affected clothing. Wash affected areas with water, and soap if available. Seek medical attention in the event of persistent irritation.

INHALED: If dust is inhaled, remove to fresh air. Encourage patient to blow nose to ensure clear breathing passages. Rinse mouth with water. Lay down and rest patient and seek medical advice if necessary.

SECTION 5 FIRE FIGHTING MEASURES

Product is considered to be non – combustible and not a significant fire risk.

Suitable extinguishing media:

Use extinguishing media suitable for the surrounding fire.

Hazards from combustion products:

None known

Special protective precautions and equipment for fire fighters:

Use precautions appropriate for the surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Clear area of personnel and move upwind. If inhalation risk of overexposure exists, wear an SAA approved dust respirator.

Methods and materials for containment and clean up:

Use dry clean-up procedures and avoid generating dust. Vacuum up or sweep up and collect recoverable product into suitable containers for disposal.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

The following Safety Directions have been set by the Australian Pesticides and Veterinary Medicines Authority (APVMA): Wash hands after use

Conditions for safe storage, including any incompatibilities:

The following storage directions have been approved for this product by the APVMA: Store in the tightly closed original container below 30°C (Room Temperature)

In addition, it is advisable to keep containers and product dry. Store under cover. Protect containers against physical damage.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards:

TWA (Zinc Oxide Dust): 10 mg/m³

Biological limit values: None set

Engineering controls:

Ventilation: Not considered necessary during normal usage

Personal protective equipment

Not considered necessary during normal usage. PVC or neoprene gloves and chemical safety glasses can be worn if desired. Contact lenses pose a special hazard – soft lenses may absorb irritants and all lenses concentrate them.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A white/cream powder

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	The APVMA has approved a 2 year shelf life for this material
Conditions to avoid:	None known
Incompatible materials:	Strong acids, water, strong bases, alkali metals
Hazardous decomposition products:	
Hazardous reactions:	Boric acid reacts violently with potassium and acid anhydrides

SECTION 11 TOXICOLOGICAL INFORMATION

Product considered unlikely to be ingested in normal usage. May irritate eyes, skin and respiratory tract.

Zinc Oxide:

LD₅₀ – Oral (Rat): 630 mg/kg

Boric Acid:

LD₅₀ – Oral (Rat): 2660 mg/kg

LDLO – Oral (Man): 429 mg/kg

LDLO – Oral (Woman): 200 mg/kg

LD₅₀ – Oral (Mouse): 3450 mg/kg

LD₅₀ – Subcutaneous (Mouse): 1740 mg/kg

LD₅₀ – Intravenous (Mouse): 1240 mg/kg

LCLO – Inhalation (Rat): 28 mg/m³/4h

Salicylic Acid:

LD₅₀ – Oral (Rat): 891 mg/kg

LD₅₀ – Oral (Mouse): 480 mg/kg

LC₅₀ – Inhalation (Mammalian): 300 mg/m³

SECTION 12 ECOLOGICAL INFORMATION

No ecological information available at this time

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:

APVMA approved container disposal directions indicate that containers may be wrapped in paper and placed in household garbage. Unused product should be disposed of in accordance with local authority instructions

Special precautions for landfill or incineration: Do not burn product or empty containers

SECTION 14 TRANSPORT INFORMATION

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

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

Date of last revision of the MSDS: August 07

CONTACT POINT

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B/Hrs Phone (07) 3868 0333 A/Hrs (07) 3630 1654

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 2nd 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) 6th Edition
8. Hazardous Substances Information System, Version 1.2.2 (September 2004), Last Updated – November 2005, NOHSC

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.