

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name: SWIFT Ready to Use Insecticidal Pour-On for Horses
Other names: Not Applicable
Recommended use: Insecticide for horses
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 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)]:

UN Number:	None allocated	Hazchem Code:	None allocated
Dangerous Goods Class:	None allocated	Poisons Schedule:	5
Sub Risk Class:	None allocated	Packaging Group:	None allocated

Health Effects:

No specific data are available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Acute Effects:

Swallowed: Data suggest that this product is harmful if swallowed
Eye: This product is mildly irritating to the eyes. It is likely to cause mild discomfort such as watering and redness of the eyes. However, this should quickly disappear once exposure is over.
Skin: Data suggest that this product may be absorbed through the skin and be harmful by skin absorption. Major skin exposure may lead to health problems.
Inhalation: Data suggest that this product is harmful if inhaled. Minor or short term exposure may lead to short term health problems, although long term exposure may lead to permanent health problems.

Risk Phrases are: R20/21/22. Harmful by inhalation, in contact with skin, and if swallowed

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	Cas No.	Proportion (%)
Permethrin cis:trans 80:20	52645-53-1	4
2-(2-butoxyethoxy) ethanol	112-34-5	91
Other non hazardous ingredients	Proprietary	to 100

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:

- Eyes:** If product gets in eyes, wash material from them with running water. If they begin watering or reddening, take special care in washing thoroughly.
- Skin:** If product gets on skin, immediately remove contaminated clothing and wash skin thoroughly with soap and water to remove material. If you begin to feel unwell, seek medical advice.
- Inhalation:** If vapours or mists have been inhaled, and irritation or unusual symptoms have developed, remove to fresh air and observe until recovered. If irritation or symptoms persists more than about 30 minutes, seek medical advice.
- Advice to doctor:** Treat symptomatically. Note the nature of this product.

Additional information: Safety deluge showers should be provided where this product is being used.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical, foam, water fog

Hazards from combustion products:

Fire decomposition products from this product may form toxic mixtures in confined spaces. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Special protective precautions and equipment for fire fighters:

If a significant quantity of this product is involved in a fire, call the fire brigade. Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

Additional information: This is a C1 combustible liquid. There is a moderate risk of an explosion if it is involved in a fire.

Hazchem Code: None specified

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures:

In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade.

Wear full protective chemically resistant clothing including face mask, face shield, gauntlets and self contained breathing apparatus. See below under Personal Protection regarding Australian Standards relating to personal protective equipment.

Methods and materials for containment and clean up:

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

The following Safety Directions have been set by the Office of Chemical Safety (OCS) of the Commonwealth Department of Health and Aging:

Harmful if swallowed. Will damage eyes. Will irritate skin. Avoid contact with eyes and skin. When using the product use rubber gloves. If product in eyes, wash it out immediately with water. Wash hands after use. After each days use, wash gloves. (*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for Agricultural and Veterinary Chemicals*)

Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with strong oxidising agents.

Conditions for safe storage, including any incompatibilities:

Store below 30°C (Room Temperature) in the original container, tightly closed, in a dry place out of direct sunlight.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10 mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

Biological limit values: None set

Engineering controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may 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 the process or environment to reduce the problem.

Personal protective equipment:

Respiratory Protection:

If there is a significant chance of dusts, vapours or mists accumulating in the area where this product is being used, a mask or respirator should be used. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves:

Impermeable (rubber or PVC) protective gloves should be worn when you are using this product, since absorption through the skin is harmful. For help in selecting suitable equipment, consult AS 2161.

Eye Protection:

Protective eyewear is suggested when using this product. It is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing:

Clean overalls or protective clothing should be worn, preferably with an apron. Consult AS2919 for advice on Industrial Clothing.

Safety Boots:

Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colourless, mobile liquid.
Odour:	Odourless.
Melting/Softening Point:	No specific data. Liquid at normal temperatures.
Boiling Point:	231°C
Volatile Materials:	No specific data
Flashpoint:	78°C (closed cup)
Specific Gravity:	0.98
Solubility In Water:	Insoluble
Corrosiveness:	Not corrosive

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	This product is unlikely to spontaneously decompose.
Conditions to avoid:	None known
Incompatible materials:	Strong oxidising agents.
Hazardous decomposition products:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke.
Hazardous reactions:	This product is unlikely to spontaneously polymerise.

SECTION 11 TOXICOLOGICAL INFORMATION

LD ₅₀ Values	
Oral (Rat)	430 - 4000 mg kg ⁻¹
Oral (Mouse)	540 - 2700 mg kg ⁻¹
Skin (Rat)	> 4000 mg kg ⁻¹
Skin (Rabbit)	> 2000 mg kg ⁻¹

The ADI (Acceptable Daily Intake) for Permethrin is set at 0.05 mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 5 mg/kg/day. Values taken from Australian ADI List, May 1998.

SECTION 12 ECOLOGICAL INFORMATION

Dangerous to fish. Do not contaminate streams, rivers, waterways and drains with the product or used container
Estimated half-life in the vapour phase (present as particulate matter) 10 h. Estimated half-life in soil 30 d.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:

Triple rinse container with water before disposal. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit specifically marked and set up for this purpose away from desirable plants and their roots, and watercourses. Do not dispose of undiluted product on-site. Break, crush or puncture the container to

prevent reuse. Dispose of in a local authority landfill site. If there is no local authority landfill readily available in your area, bury the containers under at least 500 mm of soil in a disposal pit as above. **DO NOT** burn empty containers or product.

SECTION 14 TRANSPORT INFORMATION

No special storage and transport requirements. This product has no UN classification. This product is a Schedule 5 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product.

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: January 07

CONTACT POINT

Mr Gray Boston, General Manager
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)

PHARMACHEM

Date of Issue: 18 January 2007

MATERIAL SAFETY DATA SHEET

SWIFT

Page 5 of 6

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.