



# aristopet

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## Material Safety Data Sheet

Hazardous according to criteria of Worksafe Australia

### AD FLY REPELLENT SPRAY

Issue Date: August 2002

MSDS 58

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MASTER COPY

#### IDENTIFICATION

**Product Name:** AUSTRALIAN DRESSAGE FLY REPELLENT SPRAY AND INSECTICIDE  
**Synonyms:**  
**Manufacturer's Product Code(s):**  
**Use:** Kills & repels flies and mosquitoes on horses and dogs  
**UN Number:** 1170  
**Proper Shipping Name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**Dangerous Goods Class:** 3  
**Subsidiary risk:** None allocated  
**Packing Group:** II  
**Hazchem Code:** 2[Y]E  
**Poison Schedule:** S5

#### PHYSICAL PROPERTIES

**Appearance:** A yellow watery fluid.  
**Boiling Point:** Below 100°C  
**Vapour Pressure:** Not known  
**Specific Gravity:** 0.820  
**Flash Point:** Not known  
**Flammability Limits:** Not known  
**Solubility in Water:** Miscible  
**Other Properties**

#### INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
METHYLATED SPIRITS	Greater than 60%	64-17-5
N,N-DIETHYL-M-TOLUAMIDE (Below Cutoff)	1 to 10%	134-62-3
PIPERONYL BUTOXIDE (Below Cutoff)	Less than 1%	51-03-6
PYRETHRUM (Below Cutoff)	Less than 1%	8003-34-7
OTHER NON-HAZARDOUS SUBSTANCES	1 to 10%	Mixture

#### HEALTH HAZARD INFORMATION

##### ACUTE HEALTH EFFECTS

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

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**HAZARD CATEGORY:** Harmful

### ACUTE HEALTH EFFECTS

**Swallowed:**

Harmful if swallowed.

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

**Eye:**

May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision.

**Skin:**

May cause irritation to the skin, with effects including; Redness and itchiness.

**Inhaled:**

Mists from the product may cause irritation to the nose, throat and respiratory system with effects including: Cough, discomfort, difficulty breathing and shortness of breath.

**Chronic:**

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged or repeated exposure may lead to irreversible damage to health.

### FIRST AID

**Swallowed:**

If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. Seek urgent medical assistance.

**Eye:**

If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open. Immediately transport to hospital or doctor.

**Skin:**

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists immediately transport to hospital or doctor.

**Inhaled:**

Remove victim to fresh air. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult. Transport to hospital or doctor immediately.

**First Aid Facilities:**

Eye wash fountain, safety shower and normal wash room facilities.

**Advice to Doctor:**

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

## PRECAUTIONS FOR USE

### Exposure Standards

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No exposure standards are available for this product, however, the following exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC) to the following components of the product:

### **METHYLATED SPIRITS**

(Worksafe Australia)

[TWA] 1,000 ppm 1,880 mg/m<sup>3</sup>

**References:** H

(ACGIH)

[TWA] 1,000 ppm 1,880 mg/m<sup>3</sup>

### ***N,N-DIETHYL-M-TOLUAMIDE (Below Cutoff)***

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)

### ***PIPERONYL BUTOXIDE (Below Cutoff)***

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)

### ***PYRETHRUM (Below Cutoff)***

(Worksafe Australia)

[TWA] 5 mg/m<sup>3</sup>

**Notices:** Sen

**References:** H

(ACGIH)

[TWA] 5 mg/m<sup>3</sup>

**Carcinogen Category:** A4

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### ***OTHER NON-HAZARDOUS SUBSTANCES***

No Exposure details available

### **Engineering Controls**

Highly flammable liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Elevated temperature or mechanical action may form vapours, mists or fumes which may require local exhaust ventilation systems.

### **Personal Protection Equipment**

None required for normal usage.

If clearing up spills the following is recommended.

CLOTHING: PVC or rubber apron.

GLOVES: PVC or rubber.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. When gases/vapours exceed the exposure standards then the use of a half-face respirator with organic vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus, complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant.

If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

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### SAFE HANDLING INFORMATION

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, strong alkalis, acids, combustibles and oxidising agents. All equipment must be earthed. Store in original packages as approved by manufacturer. For further information please refer to the Engineering Controls of this MSDS.

#### Transport

**UN Number:** 1170

**Proper Shipping Name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Dangerous Goods Class:** 3

**Subsidiary risk:** None allocated

**Packing Group:** II

**Hazchem Code:** 2[Y]E

Classified as a CLASS 3 (FLAMMABLE LIQUID) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 6th Edition.

Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:

- Class 1
- Class 2.1, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3
- Class 4.2
- Class 5
- Class 6, if the Class 3 dangerous goods are nitromethane
- Class 7

Emergency information (Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76: 1997)

For LIQUIDS - Highly flammable, Guide No: 14

#### Spills

**EMERGENCY ACTION:**

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS.

**SPILL OR LEAK PROCEDURE:**

Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour; but it may not prevent ignition in closed spaces.

**SMALL SPILLS:**

Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools or HEPA vacuum system. Place into labelled drum(s) for later disposal.

**LARGE SPILLS:**

Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

#### Disposal

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

#### Fire

##### Fire/Explosion Hazard

**EXTINGUISHING MEDIA:** Use dry chemical, carbon dioxide or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel. Avoid

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spreading burning liquid with water used for cooling fire exposed containers when using water spray, boil-over may occur when the product temperature reaches the boiling point of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

Additional information for Fire

Piperonyl butoxide is classified as a C2 (Combustible Liquid) for the purpose of storage and handling, in accordance with the requirements of AS1940 (The storage and handling of combustible and flammable liquids). Refer to State regulations for storage and transport requirements.

### Flammability

Highly flammable liquid. Avoid all sources of ignition, heat and naked flames.

## OTHER INFORMATION

There is no toxicological information available for this product.

### Ecotoxicity

This substance is Harmful to aquatic organisms

This substance is Toxic to aquatic organisms

This substance may cause long term adverse effects in the aquatic environment.

This substance may cause long term adverse effects in the environment

### Poison Schedule: S5

This material is a Scheduled **S5** Poison and must be stored, handled and used according to the appropriate regulations.

### RISK PHRASES

R11 Highly flammable

R22 Harmful if swallowed.

R51 Toxic to aquatic organisms

R52 Harmful to aquatic organisms.

R53 May cause long term adverse effects in the aquatic environment.

### SAFETY PHRASES

S2 Keep out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe gas/fumes/vapour/spray [appropriate wording to be specified by the manufacturer].

S37 Wear suitable gloves.

S38 In case of insufficient ventilation, wear suitable respiratory protection.

## CONTACT POINT

### Contact Point

Len Walker (07) 3630 2166

### Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.