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**Gazette**

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**AGRICULTURAL AND  
VETERINARY CHEMICALS**



**Australian Government**

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**Australian Pesticides and  
Veterinary Medicines Authority**

The *Agricultural and Veterinary Chemical Code Act 1994* (the Act) commenced on 15 March 1995. The Agricultural and Veterinary Chemicals Code (the Agvet Code) scheduled to the Act requires notices to be published in the *Gazette* containing details of the registration of agricultural and veterinary chemical products and other approvals granted by the Australian Pesticides and Veterinary Medicines Authority. The Agvet Code and related legislation also requires certain other notices to be published in the *Gazette*.

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## GENERAL INFORMATION

The *APVMA (Australian Pesticides and Veterinary Medicines Authority) Gazette* is published fortnightly and contains details of the registration of agricultural and veterinary chemicals products and other approvals granted by the APVMA, notices as required by the Agricultural and Veterinary Chemicals Code (the Agvet Code) and related legislation and a range of regulatory material issued by the APVMA.

Pursuant to section 53(1) of the Agvet Code, the APVMA has decided that it is unnecessary to publish details of applications made for the purpose of notifying minor variations to registration details. The APVMA will however report notifications activity in quarterly statistical reports.

## DISTRIBUTION AND SUBSCRIPTION

From February 2010, the APVMA will publish the *APVMA Gazette* in electronic format only. The *APVMA Gazette* and information about subscribing to the gazette alert service are available on the APVMA website, [www.apvma.gov.au](http://www.apvma.gov.au).

Copies of the *APVMA Gazette* from November 1999 until July 2009 will remain available from the APVMA website.

## APVMA CONTACTS

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## NOTICE OF REGISTRATIONS

### Agricultural Chemical Products

Pursuant to the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994*, the APVMA hereby gives notice that it has registered or varied the registration in respect of the following products, with effect from the dates shown.

#### 1. AGRICULTURAL PRODUCTS BASED ON EXISTING ACTIVE CONSTITUENTS

Product Name:	Country White Oil RTU Insect Spray
Active Constituent/s:	19.46g/L paraffin oil
Applicant Name:	Accensi Pty Ltd
Applicant ACN:	079 875 184
Summary of Use:	For the control of various scales, mites, mealy bugs, leafminers, whiteflies and aphids on a range of fruit trees, ornamentals, roses and grapevines in the home garden.
Date of Registration:	8 September 2011
Label Approval No:	66258/53088

Product Name:	Searles Root Rot Systemic Fungicide
Active Constituent/s:	200g/L phosphorous acid present as mono-di potassium phosphite
Applicant Name:	J C & A T Searle Pty Ltd
Applicant ACN:	002 898 893
Summary of Use:	For the control of root rot, collar rot, downey mildew for citrus, avocados, grapes and ornamentals.
Date of Registration:	8 September 2011
Label Approval No:	66554/53859

Product Name:	Farmalinx Chlornil 720 SC Fungicide
Active Constituent/s:	720g/L chlorothalonil
Applicant Name:	Farmalinx Pty Ltd
Applicant ACN:	134 353 245
Summary of Use:	For the control of fungal diseases on almonds, apricots, bananas, carrots, celery, cherries, faba beans, grapes, onions, peaches, peanuts, peas, plums, potatoes, tomatoes, turf and vegetables as per the directions for use.
Date of Registration:	8 September 2011
Label Approval No:	65924/52304

Product Name:	Rainbow Atrazine 900 WG Herbicide
Active Constituent/s:	900g/kg atrazine
Applicant Name:	Shandong Rainbow International Co., Ltd.
Applicant ACN:	N/A
Summary of Use:	For selective annual grass and broadleaf weed control.
Date of Registration:	8 September 2011
Label Approval No:	65306/52049

Product Name:	Atlas Mosquito Coils
Active Constituent/s:	4g/kg d-allethrin, 0.5g/kg citronella oil
Applicant Name:	Pascoe's Pty Ltd
Applicant ACN:	055 220 463
Summary of Use:	For use as a mosquito repellent in home garden situations.
Date of Registration:	8 September 2011
Label Approval No:	65980/52430

Product Name:	Sanonda Herbicide Clethodim 240EC
Active Constituent/s:	240g/L clethodim
Applicant Name:	Sanonda (Australia) Pty Ltd
Applicant ACN:	059 813 973
Summary of Use:	For control of certain grass weeds in beetroot, cabbage, canola, celery, chickpeas, cotton, faba beans, field peas, forestry, lentils, lettuce, lupins, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans.
Date of Registration:	8 September 2011
Label Approval No:	66433/53621

Product Name:	Apparent Metolachlor 960 Herbicide
Active Constituent/s:	960g/L metolachlor
Applicant Name:	Apparent Pty. Ltd.
Applicant ACN:	143 724 136
Summary of Use:	For the control of certain annual grasses and broadleaf weeds in cereals, vegetable crops, pasture sugarcane and tobacco.
Date of Registration:	9 September 2011
Label Approval No:	66008/52471

Product Name:	Trio 2,4-D Amine 625 Herbicide
Active Constituent/s:	625g/L 2,4-D present as the dimethylamine and diethanolamine salts
Applicant Name:	5 Heads Pty Ltd T/A Trio Manufacturing
Applicant ACN:	098 396 546
Summary of Use:	For the control of broadleaf weeds in fallow before direct drilling or sowing of cereals and pastures; and in cereal crops, pastures, sugarcane, peanuts, and non-agricultural areas.
Date of Registration:	9 September 2011
Label Approval No:	66625/54051

Product Name:	eChem Paraquat 250 Herbicide
Active Constituent/s:	250g/L paraquat present as paraquat dichloride
Applicant Name:	eChem (Aust) Pty Limited
Applicant ACN:	089 133 095
Summary of Use:	For the control of a wide range of grasses and broadleaf weeds.
Date of Registration:	9 September 2011
Label Approval No:	66548/53852

Product Name:	Pro 2,4-D Amine 625 Herbicide
Active Constituent/s:	625g/L 2,4-D present as the dimethylamine and diethanolamine salts
Applicant Name:	5 Heads Pty Ltd T/A Perth Progressive Supplies
Applicant ACN:	098 396 546
Summary of Use:	For the control of broadleaf weeds in fallow before direct drilling or sowing of cereals and pastures; and in cereal crops, pastures, sugarcane, peanuts, and non-agricultural areas.
Date of Registration:	9 September 2011
Label Approval No:	66630/54056

Product Name:	Trio Clethodim 240 Herbicide
Active Constituent/s:	240g/L clethodim
Applicant Name:	5 Heads Pty Ltd T/A Trio Manufacturing
Applicant ACN:	098 396 546
Summary of Use:	For the control of certain grass weeds in beetroot, cabbage, canola, celery, chickpeas, cotton, faba beans, field peas, forestry lentils, lettuce, lupins, lettuce, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans.
Date of Registration:	9 September 2011
Label Approval No:	66629/54055

Product Name:	ACP Glyphosate 450 Herbicide
Active Constituent/s:	450g/L glyphosate present as the isopropylamine salt
Applicant Name:	Australis Crop Protection Pty Ltd
Applicant ACN:	150 711 185
Summary of Use:	For non-selective control of many annual and perennial weeds.
Date of Registration:	9 September 2011
Label Approval No:	66524/53822

Product Name:	Bed Bug Barrier Bed Bug Killer
Active Constituent/s:	900g/kg amorphous silica
Applicant Name:	Bed Bug Barrier Pty Ltd
Applicant ACN:	145 077 756
Summary of Use:	For control of bed bugs in domestic premises, institutional premises, hotels and motels.
Date of Registration:	9 September 2011
Label Approval No:	65290/50641

Product Name:	Phozguard 620 Systemic Fungicide
Active Constituent/s:	620g/L phosphorous (phosphonic) acid present as mono and di potassium phosphonate
Applicant Name:	AgroBest Australia Pty Ltd
Applicant ACN:	081 136 610
Summary of Use:	For control of phytophthora diseases and downy mildew in various situations.
Date of Registration:	12 September 2011
Label Approval No:	66655/54106

Product Name:	Mission Deltamethrin 27.5 Insecticide
Active Constituent/s:	27.5g/L deltamethrin
Applicant Name:	Mission Bell Holdings Pty Ltd
Applicant ACN:	149 573 651
Summary of Use:	For the control of Heliothis (Helicoverpa spp.) and other specified pests on cotton and various other crops.
Date of Registration:	12 September 2011
Label Approval No:	66709/54228

Product Name:	Cougar Rodenticide Paste Sachets
Active Constituent/s:	0.05g/kg difenacoum
Applicant Name:	Pelgar International Ltd
Applicant ACN:	N/A
Summary of Use:	For the control of Brown/Norway rats and mice as per the directions for use.
Date of Registration:	12 September 2011
Label Approval No:	66587/53944

Product Name:	Apparent Glyphosate 510 K Herbicide
Active Constituent/s:	510g/L glyphosate present as the Potassium salt
Applicant Name:	Apparent Pty. Ltd
Applicant ACN:	143 724 136
Summary of Use:	For the non-selective control of many annual and perennial weeds.
Date of Registration:	12 September 2011
Label Approval No:	66083/52667

Product Name:	Farmoz Divino 250 EC Fungicide
Active Constituent/s:	250g/L difenoconazole
Applicant Name:	Farmoz Pty Limited
Applicant ACN:	050 328 973
Summary of Use:	For control of target spot in potatoes and tomatoes, leaf blight in carrots, leaf spot disease of bananas and husk spot in macadamias as per the directions for use.
Date of Registration:	12 September 2011
Label Approval No:	65901/52251

Product Name:	Quatron 200 EC Selective Herbicide
Active Constituent/s:	200g/L quizalofop-p-ethyl
Applicant Name:	Hextar Chemicals Pty Ltd
Applicant ACN:	114 525 709
Summary of Use:	For the control of certain grass weeds in broadleaf crops.
Date of Registration:	13 September 2011
Label Approval No:	66546/53849

Product Name:	Rainbow Bensulfuron 600 WG Herbicide
Active Constituent/s:	600g/kg bensulfuron present as the methyl ester
Applicant Name:	Shandong Rainbow International Co., Ltd.
Applicant ACN:	N/A
Summary of Use:	For the control of Arrowhead, Dirty Dora and Star Fruit in aerially sown rice.
Date of Registration:	13 September 2011
Label Approval No:	66511/53798

Product Name:	Zodiac Pool Power Purifier
Active Constituent/s:	900g/kg available chlorine (Cl) present as trichloroisocyanuric acid
Applicant Name:	Zodiac Group Australia Pty Ltd
Applicant ACN:	002 641 965
Summary of Use:	For controlling bacteria, viruses and algae in swimming pools.
Date of Registration:	13 September 2011
Label Approval No:	66227/53020

Product Name:	Cyd-X Biological Insecticide
Active Constituent/s:	0.7g/L cydia pomonella granulosis virus (equivalent to 3 x 10 <sup>13</sup> viral occlusion bodies (OBs) per litre).
Applicant Name:	CERTIS U.S.A. L.L.C.
Applicant ACN:	N/A
Summary of Use:	For the control of Codling moth in apples and pears.
Date of Registration:	13 September 2011
Label Approval No:	63595/46005

Product Name:	Mission Propyzamide 500 SC Herbicide
Active Constituent/s:	500g/L propyzamide
Applicant Name:	Mission Bell Holdings Pty Ltd
Applicant ACN:	149 573 651
Summary of Use:	For selective control of certain grasses and broadleaf weeds in lettuce, sports turf, home lawns and legume seed crops and pastures.
Date of Registration:	13 September 2011
Label Approval No:	66714/54233

Product Name:	Defender Ortho Snail & Slug Killer Pellets
Active Constituent/s:	15g/kg metaldehyde
Applicant Name:	Scotts Australia Pty Ltd
Applicant ACN:	003 123 162
Summary of Use:	For controlling snails and slugs in the home garden.
Date of Registration:	16 September 2011
Label Approval No:	65970/52413

Product Name:	Mortein Do-It-Yourself Professional Outdoor & Indoor Surface Spray Same Technology Used By Professionals
Active Constituent/s:	0.6g/L deltamethrin
Applicant Name:	Reckitt Benckiser (Australia) Pty Limited
Applicant ACN:	003 274 655
Summary of Use:	For the control of household crawling insects.
Date of Registration:	16 September 2011
Label Approval No:	66359/53496

Product Name:	Pacific Tebuconazole 430 SC Fungicide
Active Constituent/s:	430g/L tebuconazole
Applicant Name:	Pacific Agriscience Pty Ltd
Applicant ACN:	096 082 316
Summary of Use:	For the control of various fungal diseases of various crops as specified in the directions for use.
Date of Registration:	16 September 2011
Label Approval No:	66435/53624

Product Name:	Proguard Shock Plus Pool Oxidiser
Active Constituent/s:	372g/kg available chlorine (Cl) present as sodium dichloroisocyanurate
Applicant Name:	Biolab Australia Pty Ltd
Applicant ACN:	005 878 017
Summary of Use:	For use in swimming pools as an oxidiser.
Date of Registration:	19 September 2011
Label Approval No:	66447/53658



Product Name:	Zodiac Pool Purifier
Active Constituent/s:	560g/kg available chlorine (Cl) present as sodium dichloroisocyanurate
Applicant Name:	Zodiac Group Australia Pty Ltd
Applicant ACN:	002 641 965
Summary of Use:	For controlling bacteria, viruses and algae in outdoor swimming pools.
Date of Registration:	19 September 2011
Label Approval No:	66231/53028

Product Name:	Conquest T-Rex 600 Selective Herbicide
Active Constituent/s:	600g/L trifluralin
Applicant Name:	Conquest Crop Protection Pty Ltd
Applicant ACN:	098 814 932
Summary of Use:	For the control of annual grasses and certain broadleaf weeds in certain horticultural and agricultural crops.
Date of Registration:	20 September 2011
Label Approval No:	65526/51122

Product Name:	Agspray Tebuconazole 430 SC Fungicide
Active Constituent/s:	430g/L tebuconazole
Applicant Name:	Agspray Chemical Co Pty Ltd
Applicant ACN:	005 329 573
Summary of Use:	For the control of leaf spot and leaf speckle on bananas, leaf spot and net blotch of peanuts, foliar diseases on cereal crops and other diseases on beans, peas, onions, pawpaw, pyrethrum and ryegrass and fescue seed crops.
Date of Registration:	20 September 2011
Label Approval No:	66297/53322

Product Name:	Coola-700 Surfactant
Active Constituent/s:	350g/L soyl phospholipids, 350g/L propionic acid
Applicant Name:	Victorian Chemical Company Proprietary Limited
Applicant ACN:	004 188 863
Summary of Use:	For use as a surfactant in a number of situations.
Date of Registration:	21 September 2011
Label Approval No:	66444/53643

Product Name:	Farmalinx Fatcat Herbicide
Active Constituent/s:	25g/L diflufenican, 250g/L MCPA present as the ethyl hexyl ester
Applicant Name:	Farmalinx Pty Ltd
Applicant ACN:	134 353 245
Summary of Use:	For the control of certain broadleaf weeds in winter cereals and clover.
Date of Registration:	21 September 2011
Label Approval No:	64687/48970

Product Name:	Abamix 18 EC Insecticide/Miticide
Active Constituent/s:	18g/L abamectin
Applicant Name:	Hextar Chemicals Pty Ltd
Applicant ACN:	114 525 709
Summary of Use:	For the control of pest mites on pears, apples, tomatoes, citrus, hops, strawberries and ornamentals, and the control of pest mites and native budworms on cotton.
Date of Registration:	21 September 2011
Label Approval No:	66545/53848

Product Name:	Farmalinx Dicam 700 WG Herbicide
Active Constituent/s:	700g/kg dicamba present as the sodium salt
Applicant Name:	Farmalinx Pty Ltd
Applicant ACN:	134 353 245
Summary of Use:	For use in winter cereals, pastures, conservation tillage, sugarcane, rice, turf, grain sorghum and non crop areas for the control of broadleaf weeds.
Date of Registration:	22 September 2011
Label Approval No:	65764/51821

Product Name:	Monopoly Herbicide
Active Constituent/s:	720g/L MSMA
Applicant Name:	Amgrow Pty Ltd
Applicant ACN:	100 684 786
Summary of Use:	For the control of certain weeds in cotton, sugarcane, turf and non-crop areas.
Date of Registration:	22 September 2011
Label Approval No:	66365/53509

## 2. LISTED REGISTRATIONS

Product Name:	Pool Protector Liquid Pool Chlorine
Applicant Name:	Pool Ranger Pty Limited
Applicant ACN:	078 758 040
Summary of Use:	For control of bacteria, viruses and protozoa in swimming pool and spas.
Date of Registration:	8 September 2011
Product Number:	66417

Product Name:	Gabglo Granular Pool Chlorine
Applicant Name:	Gabglo Pty Ltd
Applicant ACN:	143 028 942
Summary of Use:	For control of bacteria, viruses and protozoa in swimming pools and spas.
Date of Registration:	20 September 2011
Product Number:	66348

## 3. VARIATIONS

Product Name:	Farmoz Captan 800 WG Fungicide
Applicant Name:	Farmoz Pty Limited
Applicant ACN:	050 328 973
Summary of Variation:	To change product name from FARMOZ MERPAN FUNGICIDE to FARMOZ CAPTAN 800 WG FUNGICIDE and extensions of use to control anthracnose in almonds and pistachios.
Date of Variation:	8 September 2011
Label Approval No:	60244/42970

Product Name:	Fast Action Roundup Ready To Use Weedkiller
Applicant Name:	Monsanto Australia Ltd
Applicant ACN:	006 725 560
Summary of Variation:	To extend the use to add additional weeds - Oxalis and Bamboo.
Date of Variation:	9 September 2011
Label Approval No:	60737/53563

Product Name:	Guardian Seed Treatment Insecticide
Applicant Name:	Chemtura Australia Pty Ltd
Applicant ACN:	005 225 507
Summary of Variation:	To add control of stored product pests in cereal grains stored for seed.
Date of Variation:	9 September 2011
Label Approval No:	60666/53363

Product Name:	AC Growler 450 Herbicide
Applicant Name:	Axichem Pty Ltd
Applicant ACN:	131 628 594
Summary of Variation:	To change product name from Agrochem Growler 450 Herbicide to AC Growler 450 Herbicide
Date of Variation:	13 September 2011
Label Approval No:	63852/50766

Product Name:	Suscon Maxi Soil Insecticide
Applicant Name:	Crop Care Australasia Pty Ltd
Applicant ACN:	061 362 347
Summary of Variation:	To extend the use to include the control of Southern one-year canegrub on sugarcane and allow an alternative application method for dual row and minimum till situations and add a pack size range 15kg – 20kg.
Date of Variation:	15 September 2011
Label Approval No:	58996/50257

Product Name:	Actara Insecticide
Applicant Name:	Syngenta Crop Protection Pty Limited
Applicant ACN:	002 933 717
Summary of Variation:	To add additional application method (drip/trickle irrigation) to field-grown tomatoes.
Date of Variation:	19 September 2011
Label Approval No:	56499/49286

Product Name:	Admiral Insect Growth Regulator
Applicant Name:	Sumitomo Chemical Australia Pty Limited
Applicant ACN:	081 096 255
Summary of Variation:	To add additional pack sizes (20L and 200L).
Date of Variation:	19 September 2011
Label Approval No:	60997/50944

Product Name:	Progibb G.A. Growth Regulant
Applicant Name:	Valent Biosciences A Division Of Sumitomo Chemical Australia Pty Ltd
Applicant ACN:	081 096 255
Summary of Variation:	To include the uses to stimulate dormant grass-dominant pastures for high intensity grazing such as dairy pasture or sheep lambing paddocks.
Date of Variation:	20 September 2011
Label Approval No:	52868/48937

Product Name:	Ravensdown Massacre 450 Herbicide
Applicant Name:	Ravensdown Fertiliser Co-Operative Limited
Applicant ACN:	128 889 814
Summary of Variation:	To change product name from UNITED FARMERS MASSACRE 450 HERBICIDE to RAVENSDOWN MASSACRE 450 HERBICIDE.
Date of Variation:	20 September 2011
Label Approval No:	47335/53161

Product Name:	Metarex Snail And Slug Bait
Applicant Name:	De Sangosse SA
Applicant ACN:	N/A
Summary of Variation:	To extend the use to other agricultural, industrial & commercial situations where snails and slugs congregate.
Date of Variation:	20 September 2011
Label Approval No:	58910/49354

## Veterinary Chemical Products

Pursuant to the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994*, the APVMA hereby gives notice that it has registered or varied the registration in respect of the following products, with effect from the dates shown.

### 4. VETERINARY PRODUCTS BASED ON EXISTING ACTIVE CONSTITUENTS

<b>Product Name:</b>	Cue-Mare A 7 To 10 Day Intravaginal Progesterone Treatment For Mares
<b>Active Constituent/s:</b>	1.72g progesterone
<b>Applicant Name:</b>	Bioniche Animal Health (A/Asia) Pty. Ltd.
<b>Applicant ACN:</b>	006 949 480
<b>Summary of Use:</b>	For inducing cyclical ovarian activity in spring mares.
<b>Date of Registration:</b>	12 September 2011
<b>Label Approval No:</b>	62504/43237
<b>Product Name:</b>	CLiKZiN Spray-On Sheep Blowfly Treatment
<b>Active Constituent/s:</b>	12.5g/L dicyclanil
<b>Applicant Name:</b>	Novartis Animal Health Australasia Pty. Limited
<b>Applicant ACN:</b>	076 745 198
<b>Summary of Use:</b>	For the prevention of blowfly strike in sheep.
<b>Date of Registration:</b>	12 September 2011
<b>Label Approval No:</b>	64628/48809
<b>Product Name:</b>	I Love My Pet Joint Supplement Powder
<b>Active Constituent/s:</b>	200g/kg shark cartilage, 200g/kg abalone powder ( <i>Haliotis iris</i> ), 600g/kg stabilised green-lipped mussel powder ( <i>Perna canaliculus</i> )
<b>Applicant Name:</b>	My Pet Products Australia Pty Ltd
<b>Applicant ACN:</b>	068 507 148
<b>Summary of Use:</b>	May assist in the relief of arthritic symptoms in dogs.
<b>Date of Registration:</b>	13 September 2011
<b>Label Approval No:</b>	66564/53897
<b>Product Name:</b>	Loxicom 0.5mg/mL Oral Suspension For Dogs
<b>Active Constituent/s:</b>	0.5mg meloxicam
<b>Applicant Name:</b>	Norbrook Laboratories Australia Pty Limited
<b>Applicant ACN:</b>	080 972 596
<b>Summary of Use:</b>	For the alleviation of inflammation and pain in both acute and chronic musculoskeletal disorders in dogs.
<b>Date of Registration:</b>	14 September 2011
<b>Label Approval No:</b>	62948/44386

<b>Product Name:</b>	Loxicom 1.5 mg/mL Oral Suspension For Dogs
<b>Active Constituent/s:</b>	1.5mg/mL meloxicam
<b>Applicant Name:</b>	Norbrook Laboratories Australia Pty Limited
<b>Applicant ACN:</b>	080 972 596
<b>Summary of Use:</b>	For the alleviation of inflammation and pain in both acute and chronic musculoskeletal disorders in dogs.
<b>Date of Registration:</b>	14 September 2011
<b>Label Approval No:</b>	62950/44388

<b>Product Name:</b>	Syntex Intravaginal Device (DIB™)
<b>Active Constituent/s:</b>	1.0g Progesterone per device
<b>Applicant Name:</b>	Syntex S.A.
<b>Applicant ACN:</b>	N/A
<b>Summary of Use:</b>	For the regulation of the oestrus in heifers and cows.
<b>Date of Registration:</b>	20 September 2011
<b>Label Approval No:</b>	62744/43892

## 5. LISTED REGISTRATIONS

<b>Product Name:</b>	Science Products Animal Science Glucosamine Joint Formula
<b>Applicant Name:</b>	Beaphar Australia Pty Ltd
<b>Applicant ACN:</b>	145 418 882
<b>Summary of Use:</b>	May help improve joint health and function in dogs.
<b>Date of Registration:</b>	14 September 2011
<b>Product Number:</b>	64834

## 6. VARIATIONS

<b>Product Name:</b>	Eskalin Wettable Powder Spray-On Feed Premix
<b>Applicant Name:</b>	Phibro Animal Health Pty Limited
<b>Applicant ACN:</b>	093 869 991
<b>Summary of Variation:</b>	To update label instructions as per the AAT agreement subsequent to the APVMA's re-consideration of virginiamycin.
<b>Date of Variation:</b>	9 September 2011
<b>Label Approval No:</b>	49111/36250

<b>Product Name:</b>	Eskalin Feed Premix For Cattle
<b>Applicant Name:</b>	Phibro Animal Health Pty Limited
<b>Applicant ACN:</b>	093 869 991
<b>Summary of Variation:</b>	To update label instructions as per the AAT agreement subsequent to the APVMA's re-consideration of virginiamycin.
<b>Date of Variation:</b>	9 September 2011
<b>Label Approval No:</b>	46049/36251

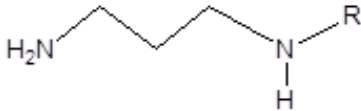
<b>Product Name:</b>	Eskalin 500 Feed Premix
<b>Applicant Name:</b>	Phibro Animal Health Pty Limited
<b>Applicant ACN:</b>	093 869 991
<b>Summary of Variation:</b>	To update label instructions as per the AAT agreement subsequent to the APVMA's reconsideration of virginiamycin.
<b>Date of Variation:</b>	12 September 2011
<b>Label Approval No:</b>	51354/36249

## NOTICE – NEW AGRICULTURAL ACTIVE CONSTITUENT

### N-Coco alkyltrimethylenediamines

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application for the approval of a new active constituent, N-coco alkyltrimethylenediamines. It is a product used for the treatment of sea water cooling systems to prevent macro fouling within the water circuit.

#### PARTICULARS OF THE ACTIVE CONSTITUENT

<b>Common Name:</b>	N-Coco alkyltrimethylenediamines (temporary)
<b>IUPAC Name:</b>	1-Alkyl-amino-3-aminopropane
<b>CAS Name:</b>	N-Coco alkyltrimethylenediamines
<b>CAS Registry Number:</b>	61791-63-7
<b>Manufacturer's Code:</b>	Duomeen CD
<b>Minimum Purity:</b>	890 g/kg of N-Coco alkyltrimethylenediamines ( $\overline{M}_n = 257$ )
<b>Molecular Formula:</b>	R-NH-(CH <sub>2</sub> ) <sub>3</sub> -NH <sub>2</sub> (R represents an alkyl straight chain mainly C8-C18)
<b>Average Molecular Weight:</b>	257
<b>Structure:</b>	 R= C8-C18 alkyl group
<b>Chemical Family:</b>	Alkyl amino propane
<b>Mode of Action:</b>	Microbiocide

#### SUMMARY OF THE APVMA'S EVALUATION OF N-COCO ALKYLTRIMETHYLENEDIAMINES ACTIVE CONSTITUENT

The Pesticides Program of the APVMA has evaluated the chemistry aspects of N-coco alkyltrimethylenediamines active constituent (manufacturing process, quality control procedures, batch analysis results and analytical methods) and found them to be acceptable.

On the basis of the data provided, and the toxicological assessment, it is proposed that the following APVMA Active Constituent Standard be established for N-coco alkyltrimethylenediamines:



Constituent	Specification	Level
N-Coco alkyltrimethylenediamines	N-Coco alkyltrimethylenediamines ( $\bar{M}_n = 257$ )	Not less than 890 g/kg

Other compounds of toxicological significance are not expected to occur in N-coco alkyltrimethylenediamines.

The Department of the Environment and Heritage has completed an environmental evaluation of A32 Dispersant (55270/36525) product containing 17 g/kg of N-coco alkyltrimethylenediamines and 117 g/kg of N-oleyl-1,3-diaminopropane, and advised that this product would not be likely to have an unintended effect that is harmful to animals, plants or things, or to the environment.

The APVMA accepts the findings and recommendations of its advisers on these criteria.

The APVMA is satisfied that the proposed importation and use of N-coco alkyltrimethylenediamines would not be an undue toxicological or environmental hazard to the safety of people exposed to it during its handling and use.

### MAKING A SUBMISSION

In accordance with sections 12 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for approval of N-coco alkyltrimethylenediamines should be granted. Submissions should relate only to matters that the APVMA is required by legislation to consider in deciding whether to grant the approval. These grounds include **chemistry and manufacture, and toxicity**. Submissions should state the grounds on which they are based. Comments received outside these grounds cannot be considered by the APVMA.

Submissions must be received by the APVMA within **28 days** of the date of this notice and be directed to the contact listed below. All submissions to the APVMA will be acknowledged in writing via email or by post. A summary of relevant comments and the APVMA's response will be published on the APVMA website.

When making a submission please include a:

- Contact name
- Company or Group name (if relevant)
- Postal Address
- Email Address (if available)
- The date you made the submission.

All personal and **confidential commercial information (CCI)**<sup>1</sup> material contained in submissions will be treated confidentially.

Written submissions on the APVMA's proposal to grant approval for N-coco alkyltrimethylenediamines that relate to the **grounds for approval** should be addressed in writing to:

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<sup>1</sup> A full definition of 'confidential commercial information' is contained in the [Agvet Code](#).

John Hughes  
Chemistry Manager  
Pesticides Program

Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4936

**Fax:** (02) 6210 4840

**Email:** john.hughes@apvma.gov.au

## NOTICE – NEW AGRICULTURAL ACTIVE CONSTITUENT

### N-Oleyl-1,3-diaminopropane

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application for the approval of a new active constituent, N-oleyl-1,3-diaminopropane. It is a product used for the treatment of sea water cooling systems to prevent macro fouling within the water circuit.

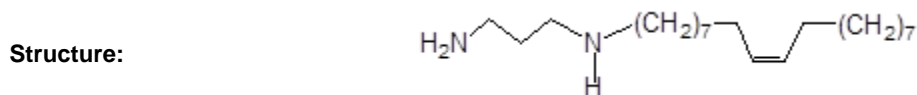
#### PARTICULARS OF THE ACTIVE CONSTITUENT

<b>Common Name:</b>	N-Oleyl-1,3-diaminopropane (temporary)
<b>IUPAC Name:</b>	(Z)-N-Oleyl-1,3-diaminopropane
<b>CAS Name:</b>	1,3-Propanediamine, N-(9Z)-octadecenyl-
<b>CAS Registry Number:</b>	7173-62-8
<b>Manufacturer's Code:</b>	Duomeen O
<b>Minimum Purity:</b>	900 g/kg of N-oleyl-1,3-diaminopropane ( $\overline{M}_n = 322$ )
<b>Molecular Formula:</b>	R-NH-(CH <sub>2</sub> ) <sub>3</sub> -NH <sub>2</sub> (R represents an alkyl straight chain mainly C18)

The alkyl chain distribution is:

Alkyl chain distribution	Mass weight	Typical values
R = 18	326.6	83%
R = 16	298.6	12%
R = 14	270.5	4%
R = 12	242.4	1%

**Average Molecular Weight:** 257



**Chemical Family:** Alkyl amino propane

**Mode of Action:** Microbiocide

## SUMMARY OF THE APVMA'S EVALUATION OF N-OLEYL-1,3-DIAMINOPROPANE ACTIVE CONSTITUENT

The Pesticides Program of the APVMA has evaluated the chemistry aspects of N-oleyl-1,3-diaminopropane active constituent (manufacturing process, quality control procedures, batch analysis results and analytical methods) and found them to be acceptable.

On the basis of the data provided, and the toxicological assessment, it is proposed that the following APVMA Active Constituent Standard be established for N-oleyl-1,3-diaminopropane:

Constituent	Specification	Level
N-Oleyl-1,3-diaminopropane	N-Oleyl-1,3-diaminopropane ( $\overline{M}_n = 322$ )	Not less than 900 g/kg

Other compounds of toxicological significance are not expected to occur in N-oleyl-1,3-diaminopropane.

The Department of the Environment and Heritage has completed an environmental evaluation of A32 Dispersant (55270/36525) product containing 117 g/kg of N-oleyl-1,3-diaminopropane and 17 g/kg of N-coco alkyltrimethylenediamines, and advised that this product would not be likely to have an unintended effect that is harmful to animals, plants or things, or to the environment.

The APVMA accepts the findings and recommendations of its advisers on these criteria.

The APVMA is satisfied that the proposed importation and use of N-oleyl-1,3-diaminopropane would not be an undue toxicological or environmental hazard to the safety of people exposed to it during its handling and use.

## MAKING A SUBMISSION

In accordance with sections 12 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for approval of N-oleyl-1,3-diaminopropane should be granted. Submissions should relate only to matters that the APVMA is required by legislation to consider in deciding whether to grant the approval. These grounds include **chemistry and manufacture, and toxicity**. Submissions should state the grounds on which they are based. Comments received outside these grounds cannot be considered by the APVMA.

Submissions must be received by the APVMA within **28 days** of the date of this notice and be directed to the contact listed below. All submissions to the APVMA will be acknowledged in writing via email or by post. A summary of relevant comments and the APVMA's response will be published on the APVMA website.

When making a submission please include a:

- Contact name
- Company or Group name (if relevant)
- Postal Address
- Email Address (if available)
- The date you made the submission.

All personal and **confidential commercial information (CCI)**<sup>2</sup> material contained in submissions will be treated confidentially.

Written submissions on the APVMA's proposal to grant approval for N-oleyl-1,3-diaminopropane that relate to the **grounds for approval** should be addressed in writing to:

John Hughes  
Chemistry Manager  
Pesticides Program

Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4936

**Fax:** (02) 6210 4840

**Email:** john.hughes@apvma.gov.au

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<sup>2</sup> A full definition of 'confidential commercial information' is contained in the [Agvet Code](#).

## NOTICE – NEW AGRICULTURAL ACTIVE CONSTITUENT

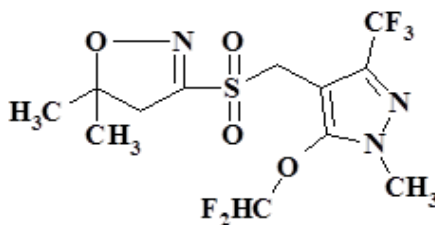
### Pyroxasulfone

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application for the approval of a new active constituent, pyroxasulfone. It is an N-phenylphthalimide herbicide used for control of annual ryegrass and barley grass, and in mixture with tri-alleate, partial control of wild oats. It provides good efficacy on both grass and broadleaf weed species with excellent selectivity in wheat, barley and triticale.

#### PARTICULARS OF THE ACTIVE CONSTITUENT

<b>Common Name:</b>	Pyroxasulfone
<b>IUPAC Name:</b>	3-[5-(Difluoromethoxy)-1-methyl-3-(trifluoromethyl)pyrazol-4-yl methylsulfonyl]-4,5-dihydro-5,5-dimethyl-1,2-oxazole
<b>CAS Name:</b>	3-[[[5-(Difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole
<b>CAS Registry Number:</b>	447399-55-5
<b>Manufacturer's Code:</b>	KIH-485
<b>Minimum Purity:</b>	960 g/kg
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>14</sub> F <sub>5</sub> N <sub>3</sub> O <sub>4</sub> S
<b>Average Molecular Weight:</b>	391.3

**Structure:**



**Chemical Family:** N-Phenylphthalimide derivative

**Mode of Action:** Inhibition of biosynthesis

#### SUMMARY OF THE APVMA'S EVALUATION OF PYROXASULFONE ACTIVE CONSTITUENT

The PMRA in Canada together with the Pesticides Program of the APVMA in Australia have evaluated the chemistry aspects of pyroxasulfone active constituent (manufacturing process, quality control procedures, batch analysis results and analytical methods) and found them to be acceptable.

On the basis of the data provided, and the toxicological assessment, it is proposed that the following APVMA Active Constituent Standard be established for pyroxasulfone TGAC:

Constituent	Specification	Level
Pyroxasulfone	Pyroxasulfone	Not less than 960 g/kg

Other compounds of toxicological significance are not expected to occur in pyroxasulfone TGAC.

The Office of Chemical Safety (OCS) has considered the toxicological aspects of pyroxasulfone TGAC, and advised that there are no toxicological objections to the approval of this chemical.

An Acceptable Daily Intake (ADI) of 0.002 mg/kg bw/d has been recommended, based on a No-Observed Effect Level (NOEL) of 2.05 mg/kg bw/d in a 2-year dietary study in rats, which is supported by the NOEL in 1-year oral study in dogs, after applying a safety factor of 1000.

An Acute Reference Dose (ARfD) for pyroxasulfone TGAC was established at 0.1 mg/kg bw/d on a NOAEL of 100 mg/kg bw/d, after applying a safety factor of 1000.

The National Drugs and Poisons Schedule Committee (NDPSC) has considered pyroxasulfone TGAC to be appropriate for inclusion in Schedule 7 (Tentative, awaiting Delegate's approval) of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

The APVMA accepts the findings and recommendations of its advisers on these criteria.

The APVMA is satisfied that the proposed importation and use of pyroxasulfone TGAC would not be an undue toxicological or environmental hazard to the safety of people exposed to it during its handling and use.

## MAKING A SUBMISSION

In accordance with sections 12 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for approval of pyroxasulfone TGAC should be granted. Submissions should relate only to matters that the APVMA is required by legislation to consider in deciding whether to grant the approval. These grounds include **chemistry and manufacture, and toxicity**. Submissions should state the grounds on which they are based. Comments received outside these grounds cannot be considered by the APVMA.

Submissions must be received by the APVMA within **28 days** of the date of this notice and be directed to the contact listed below. All submissions to the APVMA will be acknowledged in writing via email or by post. A summary of relevant comments and the APVMA's response will be published on the APVMA website.

When making a submission please include a:

- Contact name
- Company or Group name (if relevant)
- Postal Address
- Email Address (if available)
- The date you made the submission.

All personal and **confidential commercial information (CCI)**<sup>3</sup> material contained in submissions will be treated confidentially.

Written submissions on the APVMA's proposal to grant approval for pyrooxasulfone TGAC that relate to the **grounds for approval** should be addressed in writing to:

John Hughes  
Chemistry Manager  
Pesticides Program

Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4936

**Fax:** (02) 6210 4840

**Email:** john.hughes@apvma.gov.au

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<sup>3</sup> A full definition of 'confidential commercial information' is contained in the [Agvet Code](#).



## NOTICE – NEW AGRICULTURAL CHEMICAL PRODUCTS

### Pyoxasulfone in the product Sakura 850 WG Herbicide

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application from Bayer CropScience Pty Ltd, for registration of a new product containing the active constituent pyoxasulfone. The product is **SAKURA 850 WG HERBICIDE**. The product is for the pre-emergent control of certain grass weeds and toad rush in wheat, barley and triticales.

#### PARTICULARS OF THE APPLICATION

<b>Proposed Product Name(s):</b>	<b>SAKURA 850 WG HERBICIDE</b>
<b>Applicant Company:</b>	Bayer CropScience Pty Ltd
<b>Name of Active Constituent:</b>	pyoxasulfone
<b>Signal Heading:</b>	Schedule 6 (Tentative, awaiting Delegate's approval)
<b>Summary of Proposed Use:</b>	For pre-emergent control of certain weeds in wheat, barley and triticales
<b>Pack Sizes:</b>	1.18kg, 5kg, 10kg
<b>Withholding Period:</b>	Harvest: Not required when used as directed Grazing: Do not graze or cut for stock food for 6 weeks after application

#### SUMMARY OF THE APVMA'S EVALUATION OF SAKURA 850 WG HERBICIDE IN ACCORDANCE WITH SECTION 14(3)(E) AND (F) OF THE AGRICULTURAL AND VETERINARY CHEMICALS CODE (THE 'AGVET CODE'), SCHEDULED TO THE AGRICULTURAL AND VETERINARY CHEMICALS CODE ACT 1994

The APVMA has evaluated the application and in its assessment in relation to human and environmental safety under section 14(3)(e) of the Agvet Code, it proposes to determine that:

- (i) The APVMA is satisfied that the proposed use of **SAKURA 850 WG HERBICIDE** would not be an undue hazard to the safety of people exposed to it during its handling and use.

The Office of Chemical Safety (OCS) in the Department of Health and Ageing has conducted a risk assessment on the product and concluded that it can be used safely.

The workers may be exposed to the product when opening containers, mixing/loading and during application of the product, cleaning up spills and maintaining equipment. The main route of exposure to the product will be dermal and inhalation, although ocular exposure is also possible.

Exposure to the product during ground boom spray application was at an acceptable level when a single layer of clothing (cotton overalls or equivalent clothing) is worn during mixing/loading and application.

Based on the risk assessment conducted, First Aid Instructions, Warning Statements and General Safety Precautions, Safety Directions and Re-entry statements have been recommended and shown on the product label.

The APVMA accepts the findings and recommendations of the OCS evaluation.

- (ii) The APVMA is satisfied that the proposed use of **SAKURA 850 WG HERBICIDE** will not be an undue hazard to the safety of people using anything containing its residues.

The product is a herbicide applied at the time of, or very close to sowing in wheat, triticale and barley. The APVMA Pesticides Residues Section has evaluated the residues aspects of the proposed product and has recommended amendments to the APVMA MRL Standard for pyroxasulfone and for subsequent inclusion in the Food Standards Code. Dietary intake estimates indicate that the expected chronic and acute dietary exposures to pyroxasulfone are both below the relevant health standards. Recommendations in regard to the required withholding period and protection statements for livestock have been included on the label.

The APVMA accepts the findings and recommendations of its advisors on these criteria.

- (iii) The APVMA is satisfied that the proposed use of **SAKURA 850 WG HERBICIDE** containing the active constituent pyroxasulfone is not likely to be harmful to human beings if used according to the product label directions.

Pyroxasulfone was of low acute oral, dermal and inhalational toxicity in rats. It was a slight irritant to eyes and non-irritant to the skin of rabbits. It was not a skin sensitiser in mice. Pyroxasulfone was not considered to be genotoxic *in vivo*, and was not a reproductive toxicant in rats or teratogenic in rats and rabbits. Furthermore, pyroxasulfone did not produce immunotoxic effects in mice or rats.

The product Sakura 850 WG Herbicide was of low acute oral, dermal and inhalational toxicity in rats, is not a skin irritant in rabbits but is a slight eye irritant in rabbits and a skin sensitiser in guinea pigs.

The new active constituent pyroxasulfone has been evaluated for approval. The appropriate signal heading is on the product label. The First Aid and Safety Directions recommended by the department of Health and Ageing have been included on the label.

The APVMA accepts the findings and recommendations of its advisors on these criteria.

- (iv) The APVMA is satisfied that the proposed use of **SAKURA 850 WG HERBICIDE** is not likely to have an unintended effect that is harmful to animals, plants or things or the environment if used according to the product label directions.

The Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) have assessed data in support of the proposed use and have concluded that the risks to the environment from this use are acceptable provided that amendments are made to the draft label.

Photolysis and hydrolysis are not significant degradation pathways of pyroxasulfone in soil or water. In aerobic conditions pyroxasulfone degrades slowly in soil and in water/sediment systems. However, under field conditions the degradation was considerably more rapid. Pyroxasulfone is moderately or highly mobile in soils.

Pyroxasulfone showed little or no acute or chronic toxicity to birds, fish or aquatic invertebrates. It was not toxic to bees and earthworms. However, some harmful effects of the formulation were shown to the parasitic wasp and predatory mites. As expected for a herbicide, terrestrial and aquatic plants were sensitive to pyroxasulfone. Green algae are the most sensitive algal species and pyroxasulfone is also very highly toxic to duckweed.

In assessing the application particular attention was given to the effects of spray drift and run-off to algae and aquatic plants. The risk from spray drift to aquatic species is acceptable with an 80 m Downwind No-Spray Zone for coarse spray quality and 160 m for medium spray quality. The risk of run-off from treated areas to aquatic species may be mitigated to an acceptable level if additions are made to the draft label to incorporate the applied pyroxasulfone into the soil before any likely run-off event, as well as other measures to prevent run-off from treated areas. The risk to non-target terrestrial plants is acceptable provided precautions are taken to prevent spray drift. In spite of some effects on beneficial insects, the risk to these species is regarded as acceptable when Sakura 850 WG is used as proposed. The risk assessment determined that the chemical is unlikely to pose an environmental risk under the proposed use pattern, provided the recommended amendments are made to the draft label.

The APVMA has considered the findings of the Department of Sustainability, Environment, Water, Population and Communities and accepts these conclusions.

- (v) The APVMA is satisfied that the proposed use of **SAKURA 850 WG HERBICIDE** containing the new active constituent, pyrooxasulfone would not adversely affect trade between Australia and places outside Australia.

MRLs at the limit of quantitation are proposed for pyrooxasulfone in cereal grains, meat, milk, offal and eggs. Quantifiable residues of pyrooxasulfone are not expected to be found in exported commodities.

- (vi) In relation to its assessment of efficacy under section 14(3)(f), the APVMA is satisfied that data from trials supporting the efficacy of the product adequately demonstrate that when used according to the product label directions, the product is effective for its proposed uses.

#### FUTHER INFORMATION

A Public Release Summary (PRS) of the evaluation of this product is available from 28<sup>th</sup> September 2011 from the APVMA website's 'Consultation' section, [www.apvma.gov.au](http://www.apvma.gov.au) or by contacting the contact listed below.

#### MAKING A SUBMISSION

In accordance with sections 12 and 13 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for registration of **SAKURA 850 WG HERBICIDE** should be granted. Submissions should relate only to matters that the APVMA is required by legislation to take into account in deciding whether to grant the application. These grounds include **public health, occupational health and safety, chemistry and manufacture, environmental fate and toxicity, residues, trade and efficacy**. Submissions should state the grounds on which they are based. Comments received outside these grounds cannot be considered by the APVMA.

Submissions must be received by the APVMA within **28 days** of the publication of the PRS and be directed to the contact listed below. All submissions to the APVMA will be acknowledged in writing via email or by post.

Relevant comments will be taken into account by the APVMA in deciding whether the product should be registered and in determining appropriate conditions of registration and product labelling.

When making a submission please include:

Contact name  
Company or Group name (if relevant)  
Postal Address  
Email Address (if available)  
The date you made the submission.

All personal and **confidential commercial information (CCI)**<sup>4</sup> material contained in submissions will be treated confidentially.

Written submissions on the APVMA's proposal to grant the application for registration that relate to the **grounds for registration** should be addressed in writing to:

---

<sup>4</sup> A full definition of 'confidential commercial information' is contained in the [Agvet Code](#).

Contact Officer  
Pesticides Program  
Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4718  
**Fax:** (02) 6210 4776  
**Email:** [pesticides@apvma.gov.au](mailto:pesticides@apvma.gov.au)

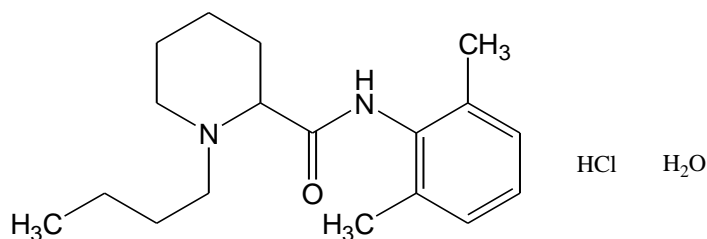
## NOTICE – NEW VETERINARY ACTIVE CONSTITUENT AND PRODUCT

### Bupivacaine in the product Tri-Solfen Topical Anaesthetic and Antiseptic Solution for Pain Relief in Lambs

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application from Animal Ethics Pty Ltd, for the approval of the active constituent bupivacaine (as hydrochloride) and for registration of the new product TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS. The product is for use as a one-off (once in a lifetime) post-mulesing pain relief treatment for lambs that are to be kept for wool producing purposes.

#### PARTICULARS OF THE ACTIVE CONSTITUENT

<b>Common Name:</b>	Bupivacaine hydrochloride
<b>IUPAC Name:</b>	(2RS)-1-Butyl-N-(2,6-dimethylphenyl)-2-piperidinecarboxamide, monohydrochloride, monohydrate
<b>CAS Name:</b>	(±)-1-Butyl-2',6'-pipercoloxylidide monohydrochloride, monohydrate
<b>CAS Registry Number:</b>	14252-80-3
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>28</sub> N <sub>2</sub> O•HCl•H <sub>2</sub> O
<b>Molecular Weight:</b>	342.90
<b>Physical Form:</b>	Crystalline powder
<b>Colour:</b>	White or colourless
<b>Odour:</b>	-
<b>Melting Point</b>	255-256 °C decomp.
<b>Density</b>	-
<b>Oleyl Alcohol/Water Partition Coefficient</b>	1565 (free base)
<b>Polymorphism</b>	Several polymorphs of bupivacaine hydrochloride are known but none are relevant since the substance is fully soluble in the solvent of the proposed finished product
<b>Solubility</b>	Soluble in water; freely soluble in ethanol
<b>Structural Formula</b>	



## SUMMARY OF THE APVMA'S EVALUATION OF BUPIVACAINE ACTIVE CONSTITUENT

The APVMA has evaluated the chemistry and manufacturing aspects of bupivacaine hydrochloride and is satisfied that the data requirements of physico-chemical properties, spectral identification, manufacturing and quality control aspects, impurity formation, active constituent specification, stability, batch analysis data, analytical methods and packaging information necessary for the approval of the new active constituent bupivacaine have been met.

## PARTICULARS OF THE APPLICATION

<b>Proposed Product Name(s):</b>	<b>TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS</b>
<b>Applicant Company:</b>	Animal Ethics Pty Ltd
<b>Name of Active Constituent:</b>	Lignocaine (as hydrochloride) Bupivacaine (as hydrochloride) Cetrimide Adrenaline (as acid tartrate)
<b>Signal Heading:</b>	Schedule 4
<b>Summary of Proposed Use:</b>	For use as a one-off (once in a lifetime) post-mulesing pain relief treatment for lambs that are to be kept for wool producing purposes
<b>Pack Sizes:</b>	1, 2.5, 5, 10, 15, 20 and 22 L
<b>Withholding Period:</b>	90 days

## SUMMARY OF THE APVMA'S EVALUATION OF TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS IN ACCORDANCE WITH SECTION 14(3)(E) AND (F) OF THE AGRICULTURAL AND VETERINARY CHEMICALS CODE (THE 'AGVET CODE'), SCHEDULED TO THE *AGRICULTURAL AND VETERINARY CHEMICALS CODE ACT 1994*

The APVMA has evaluated the application and in its assessment in relation to human and environmental safety under section 14(3)(e) of the Agvet Code, it proposes to determine that:

- (i) The APVMA is satisfied that the proposed use of TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS would not be an undue hazard to the safety of people exposed to the product during its handling and use.

The product is available only on veterinary prescription and, based on the findings of published toxicology studies, is expected to have low acute oral and dermal toxicity, to be a slight skin and eye irritant, and potentially to be a skin sensitiser.

In regard to toxicology and occupational health, the APVMA considers that, when used according to label directions, the use of TRI-SOLFEN, and the presence of the new active constituent bupivacaine, would not be an undue hazard to the safety of people exposed to it during its handling, and would not be likely to have an effect that is harmful to human beings.

Toxicology data, and other information on the product, are the basis for the First Aid Instructions and Safety Directions recommended for inclusion on the product label.

- (ii) The APVMA is satisfied that the proposed use of TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS will not be an undue hazard to the safety of people using anything containing its residues.

The APVMA considers that the use of this product as a one-off (once in a lifetime) post-mulesing treatment for lambs that are to be kept for wool producing purposes, should not result in residues in foods or animal feeds. Lambs are usually mulesed at 2-12 weeks of age, and wool producing sheep are normally kept for 5-6 years before being culled for slaughter. A number of safeguards are proposed to support this approach.

To restrict the use of the product to the intended purpose, and so that residues in edible tissue or produce should not occur, appropriate restraint, re-treatment, and withholding period statements will be included on the product label.

Because residues should not occur in foods or feeds, it is proposed to enter the three active constituents not yet in Table 5 into Table 5 of the MRL Standard, when used as components in a post-mulesing treatment in lambs that are to be kept for wool production.

- (iii) The APVMA is satisfied that the proposed use of TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS containing the active constituent bupivacaine is not likely to be harmful to human beings if used according to the product label directions.

The APVMA has evaluated and proposes to approve the active constituent, bupivacaine, and finds that the chemistry and manufacturing details of the product are acceptable. Three of the product's four active constituents are in Schedule 4 of the Standard for the Uniform Scheduling of Drugs and Poisons and the product is therefore a prescription-only product.

- (iv) The APVMA is satisfied that the proposed use of the new product TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS containing the active constituent bupivacaine would not be likely to have an unintended effect that is harmful to animals, plants or things or the environment.

In assessing the environmental impact of this product, including the presence of the new active constituent bupivacaine, the APVMA has taken into account the use of the product as a one-off treatment for lambs, the nature of the product including its formulation and viscosity, the likely absorption of the bupivacaine, the projected maximum quantity of active constituent used, and label instructions on disposal of containers and unused product. Advice from DSEWPaC is that the proposed use of this product will pose an acceptable environmental risk, provided that the label contains a statement of "Do not spray to run-off".

- (v) The APVMA is satisfied that the proposed use of the new product TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS and the presence of the new active constituent bupivacaine would not unduly prejudice trade or commerce between Australia and places outside Australia.

**RESIDUES OF THE ACTIVE CONSTITUENTS OF THIS PRODUCT SHOULD NOT OCCUR WHEN TRI-SOLFEN IS USED ACCORDING TO LABEL DIRECTIONS AS A ONE-OFF TREATMENT FOR LAMBS THAT ARE TO BE KEPT FOR WOOL PRODUCTION.FURTHER INFORMATION**

In relation to its assessment of efficacy under section 14(3)(f), the APVMA is satisfied that data from trials supporting the efficacy of TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS adequately demonstrate that if used according to the product label directions, the product is effective for its proposed uses. Scientific support for the safety and efficacy of the product comes from pivotal dose confirmation studies, published scientific literature and mandatory reporting of field use of the product under APVMA Permit PER8660. Published and unpublished studies demonstrate the product is safe and efficacious when used according to the label.

**FURTHER INFORMATION**

A Public Release Summary (PRS) of the evaluation of this product is available from the APVMA website's 'Public Consultation' page, [www.apvma.gov.au/consultation/public](http://www.apvma.gov.au/consultation/public) or by contacting the evaluator listed below.

**MAKING A SUBMISSION**

In accordance with sections 12 and 13 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for registration of **TRI-SOLFEN TOPICAL ANAESTHETIC AND ANTISEPTIC SOLUTION FOR PAIN RELIEF IN LAMBS** should be granted. Submissions should relate only to matters that the APVMA is required by legislation to take into account in deciding whether to grant the application. These grounds include **occupational health and safety, chemistry and manufacture, residues, safety and first aid, environmental fate and toxicity, trade and efficacy**. Submissions should state the grounds on which they are based. Comments received outside these grounds cannot be considered by the APVMA.

Submissions must be received by the APVMA within **28 days** of the date of this notice and be directed to the contact listed below. All submissions to the APVMA will be acknowledged in writing via email or by post.

Relevant comments will be taken into account by the APVMA in deciding whether the product should be registered and in determining appropriate conditions of registration and product labelling.

When making a submission please include:

- Contact name
- Company or Group name (if relevant)
- Email or postal address
- The date you made the submission.



All personal and **confidential commercial information (CCI)**<sup>5</sup> material contained in submissions will be treated confidentially.

Written submissions on the APVMA's proposal to grant the application for registration that relate to the **grounds for registration** should be addressed in writing to:

Veterinary Medicines Program  
Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4789

**Fax:** (02) 6210 4741

**Email:** [vetmedicines@apvma.gov.au](mailto:vetmedicines@apvma.gov.au)

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<sup>5</sup> A full definition of 'confidential commercial information' is contained in the [Agvet Code](#).

## OTHER NOTICES

### Cancellation of Product Registrations at the Request of the Registrant

At the request of the registrant, the APVMA has cancelled the registration and the associated label approval of the following products:

Product No.	Product Name	Registrant	Date of Effect
58444	OSPRAY ESTER 800 SELECTIVE HERBICIDE	OSPRAY PTY LTD	22/09/2011
49673	GENEREX 2,4-D ESTER 800 L HERBICIDE	GENEREX AUSTRALIA PTY LIMITED	22/09/2011
52569	AGCARE BIOTECH 2,4-D ESTER 800 HERBICIDE	AGCARE BIOTECH PTY LTD	22/09/2011
52634	SMART 2,4-D ESTER 800 HERBICIDE	AGCARE BIOTECH PTY LTD	22/09/2011
35788	NEGUVON SOLUBLE POWDER ANTHELMINTIC, BOTICIDE	BAYER AUSTRALIA LTD (ANIMAL HEALTH)	22/09/2011

The following instructions set out how a person can deal with the cancelled products.

#### SUPPLY

A person may supply or cause to be supplied product manufactured prior to 22 September 2011 at wholesale and retail level, until the 22 September 2013.

After 22 September 2013 it will be an offence against the Agvet Codes to have possession or custody of the products with the intention to supply, or to supply the products.

#### USE

A person may continue to use the products according to its label instructions until 22 September 2013.

Any person who possesses, has custody of, uses, or otherwise deals with the listed products in accordance with the above instructions is taken to have been issued with a permit under the Agvet Codes to so possess, have custody of, use or otherwise deal with the products after the registration has been cancelled until 22 September 2013.

The supply and use of the products must be in accordance with the conditions of registration, including any conditions relating to the shelf life or expiry date.

It is an offence to possess, have custody of, use, or deal with the products listed in the table in a manner that contravenes the above instructions.

## **APVMA CONTACT**

For any enquiries or further information about this matter, please contact:

Chemical Review/AERP Contact Officer  
Pesticides Program  
Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604  
**Phone:** (02) 6210 4749  
**Fax:** (02) 6210 4776  
**Email:** [chemicalreview@apvma.gov.au](mailto:chemicalreview@apvma.gov.au)

### **Variations to Standard 1.4.2 of the Australia New Zealand Food Standards Code**

The APVMA has previously gazetted particular amendments which it had made to the APVMA *MRL Standard* and which have been proposed as variations to maximum residue limits (MRLs) for substances contained in agricultural and veterinary chemical products as set out as in Standard 1.4.2 - Maximum Residue Limits of the *Australia New Zealand Food Standards Code*. This notice pertains to proposals gazetted on 5 July 2011 (No. APVMA 13).

Submissions have been sought on these proposals and the APVMA has written separately to each person or organisation that made a submission. All matters raised in the submissions have been resolved.

Under subsection 82(1) of the *Food Standards Australia New Zealand Act 1991*, the APVMA has, by legislative instrument, incorporated these variations to MRLs into Standard 1.4.2. A copy of the Amendment Instrument (No. APVMA 3, 2011) accompanies this notice. For a complete and up-to-date version of Standard 1.4.2, including these amendments together with their Explanatory Statement, please refer to the Federal Register of Legislative Instrument available on the Comlaw website at <http://www.comlaw.gov.au>.

Based on dietary exposure assessments and current health standards, the APVMA is satisfied that these MRLs are not harmful to public health. MRLs contained in Standard 1.4.2 provide the limits for residues of agricultural and veterinary chemicals that may legitimately occur in foods. By this means, Standard 1.4.2 permits the sale of treated foods and protects public health by minimising residues in foods consistent with the effective control of pests and diseases.

The Agreement between the Government of Australia and the Government of New Zealand concerning a Joint Food Standards System, excludes MRLs for agricultural and veterinary chemicals in food from the system setting joint food standards. Australia and New Zealand independently and separately develop MRLs for agricultural and veterinary chemicals in food.

Food Standards Australia New Zealand (FSANZ) made Sanitary and Phytosanitary (SPS) notifications to the World Trade Organization (WTO) in relation to these variations. Separate consultations are continuing in response to those notices.

A copy of these variations have been given to FSANZ.

The variations take effect as from the date of this notice.

This notice is published in accordance with subsection 82(7) of the *Food Standards Australia New Zealand Act 1991*.

For further information please contact:

Residues Contact Officer  
Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4837  
**Fax:** (02) 6210 4840  
**Email:** [residues@apvma.gov.au](mailto:residues@apvma.gov.au)

***Australia New Zealand***  
***Food Standards Code —***  
**Standard 1.4.2 — Maximum Residue Limits**  
**Amendment Instrument No. APVMA 3, 2011**

I, Eva Bennet-Jenkins, Chief Executive Officer of the Australian Pesticides and Veterinary Medicines Authority, acting in accordance with my powers under subsection 32(1) of the *Agricultural and Veterinary Chemicals (Administration) Act 1992*, make this instrument for the purposes of subsection 82(1) of the *Food Standards Australia New Zealand Act 1991*.

Eva Bennet-Jenkins  
Chief Executive Officer

Dated this twenty-third day of September 2011

## Part 1 Preliminary

### 1 Name of Instrument

This Instrument is the *Australia New Zealand Food Standards Code — Standard 1.4.2 — Maximum Residue Limits Amendment Instrument No. APVMA 3, 2011*.

### 2 Commencement

Pursuant to subsection 82(8) of the *Food Standards Australia New Zealand Act 1991*, this Amendment Instrument commences on the day a copy of it is published in the *Gazette*.

Note: A copy of the variations made by the Amendment Instrument was published in the Commonwealth of Australia *Agricultural and Veterinary Chemicals Gazette* No. APVMA 19 of 27 September 2011.

### 3 Object

The object of this Instrument is for the APVMA to make variations to Standard 1.4.2 — Maximum Residue Limits of the *Australia New Zealand Food Standards Code* to include or change maximum residue limits pertaining to agricultural and veterinary chemical products.

### 4 Interpretation

In this Instrument: —

**APVMA** means the Australian Pesticides and Veterinary Medicines Authority established by section 6 of the *Agricultural and Veterinary Chemicals (Administration) Act 1992*; and

**Principal Instrument** means Standard 1.4.2 — Maximum Residue Limits of the *Australia New Zealand Food Standard Code* as defined in Section 4 of the *Food Standards Australia New Zealand Act 1991* being the code published in *Gazette* No. P 27 on 27 August 1987 together with any amendments of the standards in that code. The whole of the *Australia New Zealand Food Standard Code* (including Standard 1.4.2) was further published in *Gazette* P 30 of 20 December 2000<sup>6</sup>.

## Part 2 Variations to Standard 1.4.2 — Maximum Residue Limits

### 5 Variations to Standard 1.4.2

The Schedule to this Instrument sets out the variations made to the Principal Instrument by this Amendment Instrument.

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<sup>6</sup> Note An amendment history from 20 December 2000 appears at the beginning of the *Australia New Zealand Food Standard Code*.

# Schedule

## Variations to Standard 1.4.2 — Maximum Residue Limits

### 1 Variations

(1) The Principal Instrument is varied by:

(a) omitting from Schedule 1 the foods and associated MRLs for each of the following chemicals –

<b>Phenmedipham</b> Phenmedipham	
Chard (silver beet)	T0.2
Chicory leaves	T0.2
Endive	T0.2
Lettuce, head	T0.2
Lettuce, leaf	T0.2
Spinach	T0.2
<b>Prothioconazole</b>	
<i>Commodities of plant origin:</i> Sum of prothioconazole and prothioconazole desthio (2-(1-chlorocyclopropyl)-1-(2-chlorophenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol), expressed as prothioconazole	
<i>Commodities of animal origin:</i> Sum of prothioconazole, prothioconazole desthio (2-(1-chlorocyclopropyl)-1-(2-chlorophenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol), prothioconazole-3-hydroxydesthio (2-(1-chlorocyclopropyl)-1-(2-chloro-3-hydroxyphenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol) and prothioconazole-4-hydroxydesthio (2-(1-chlorocyclopropyl)-1-(2-chloro-4-hydroxyphenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol), expressed as prothioconazole	
Barley	0.3
Wheat	0.3

(b) inserting in alphabetical order in Schedule 1, the foods and associated MRLs for each of the following chemicals –

<b>Bromoxynil</b> Bromoxynil	
Garlic	T0.1
<b>Carbendazim</b>	
Sum of carbendazim and 2-aminobenzimidazole, expressed as carbendazim	
Garlic	T0.2
<b>Flupropanate</b> Flupropanate	
Milks	0.1



<b>Imidacloprid</b>	
Sum of imidacloprid and metabolites containing the 6-chloropyridinylmethylene moiety, expressed as imidacloprid	
Garlic	T0.5
<b>Iprodione</b>	
Iprodione	
Garlic	T0.3
<b>Methoxyfenozide</b>	
Methoxyfenozide	
Persimmon, American	1
Persimmon, Japanese	1
<b>Phenmedipham</b>	
Phenmedipham	
Leafy vegetables	T1
<b>Prothioconazole</b>	
<i>Commodities of plant origin:</i> Sum of prothioconazole and prothioconazole desthio (2-(1-chlorocyclopropyl)-1-(2-chlorophenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol), expressed as prothioconazole	
<i>Commodities of animal origin:</i> Sum of prothioconazole, prothioconazole desthio (2-(1-chlorocyclopropyl)-1-(2-chlorophenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol), prothioconazole-3-hydroxydesthio (2-(1-chlorocyclopropyl)-1-(2-chloro-3-hydroxyphenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol) and prothioconazole-4-hydroxydesthio (2-(1-chlorocyclopropyl)-1-(2-chloro-4-hydroxyphenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)-propan-2-ol), expressed as prothioconazole	
Cereal grains	T0.3
<b>Quinoxyfen</b>	
Quinoxyfen	
Chard (silver beet)	T3
<b>Trifloxystrobin</b>	
Sum of trifloxystrobin and its acid metabolite (( <i>E,E</i> )-methoxyimino-[2-[1-(3-trifluoromethylphenyl)-ethylideneaminoxyethyl]phenyl] acetic acid), expressed as trifloxystrobin equivalents	
Beetroot	T0.2

- (c) omitting from Schedule 1, under the entries for the following chemicals, the maximum residue limit for the food, substituting –

<b>Phenmedipham</b> Phenmedipham	
Radicchio	T1
<b>Phosphorous acid</b> Phosphorous acid	
Leafy vegetables	T150
<b>Thiabendazole</b> <i>Commodities of plant origin:</i> Thiabendazole <i>Commodities of animal origin:</i> sum of thiabendazole and 5-hydroxythiabendazole, expressed as thiabendazole	
Sweet potato	0.05
<b>Thiamethoxam</b> <i>Commodities of plant origin:</i> Thiamethoxam <i>Commodities of animal origin:</i> Sum of thiamethoxam and N-(2-chloro-thiazol-5-ylmethyl)-N'-methyl-N'- nitro-guanidine, expressed as thiamethoxam	
Mango	T0.2

## Addendum to the Record of Approved Active Constituents

The current *Record of Approved Active Constituents for Registered Chemical Products* is also accessible from the APVMA website, [www.apvma.gov.au](http://www.apvma.gov.au)

### APPROVED SINCE GAZETTE NO. 2, FEBRUARY 1 2011

For use in agricultural and/or veterinary chemical products:

Common Name	Approval Holder	Manufacturer Site	Approval No.
Fipronil	KENSO CORPORATION (M) SDN. BHD.	COROMANDEL HOUSE 1-2-10, SARDAR PATEL ROAD SECUNDERABAD 500003 ANDHRA PRADESH INDIA	65350
Terbutylazine	AGPRO IP CO. PTY LTD	1 HAIGANG ROAD, BINHAI ECONOMIC DEVELOPMENT AREA WEIFANG, SHANDONG CHINA	65352

### APVMA CONTACT

For further information please contact:

Application Management & Enquiries  
Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4701

**Fax:** (02) 6210 4721

## Application Summaries

The APVMA publishes complete application summaries on the APVMA website, [www.apvma.gov.au](http://www.apvma.gov.au). They are published in weekly instalments using the date the application was accepted for assessment. If an application summary has been amended, the APVMA will publish the amended version on the website and list it separately in the APVMA Gazette Notice for Application Summaries.

As a requirement of Regulations 8C and E of the Agvet Code, some product names will appear as 'NOT AVAILABLE'.

A summary will be removed from the website 28 days after the application has been finalised. Therefore, some summaries published in this notice may have already been removed prior to the Gazette being published.

### APPLICATION SUMMARIES PUBLISHED SINCE THOSE PUBLISHED IN APVMA GAZETTE NO.18.

Application No.	Name
47268	OVIMECTIN LV BROAD SPECTRUM ANTIPARASITIC SOLUTION FOR SHEEP
52379	PIPERONYL BUTOXIDE
52400	BOVATEC 20CC LASALOCID SODIUM PREMIX
52401	BOVATEC CC LASALOCID SODIUM FEED ADDITIVE PREMIX 150G/KG
52403	NOT AVAILABLE
52404	BOVATEC LASALOCID SODIUM FEED ADDITIVE LIQUID 200G/L.
52653	CSA MICRO 4
53102	NOT AVAILABLE
53387	CYROMAZINE
53555	KENSO AGCARE FIESTAR NON-SELECTIVE HERBICIDE
53691	UNITED FARMERS BOLSTER SPRAY TANK ADJUVANT
53692	UNITED FARMERS ASSIST SPRAY TANK ADJUVANT
53695	UNITED FARMERS DEVASTATOR 250 HERBICIDE
53700	UNITED FARMERS WARHEAD 400WG HERBICIDE
53702	UNITED FARMERS PLATNUM SPRAY TANK ADJUVANT
53704	UNITED FARMERS UNIALPHACYPER 100 INSECTICIDE
53720	HOVEX HOME PROTECTION ULTRA-LO-ODOUR TERMITE & INSECTICIDE CONCENTRATE
53957	RAINBOW GLUFOSINATE 200 HERBICIDE
53961	MOXITAK LV LOW VOLUME DRENCH FOR SHEEP
53962	MOXITAK ORAL DRENCH FOR SHEEP
54065	WYNCA DIURON 900 WG HERBICIDE

Application No.	Name
54136	KENSO AGCARE DIFLUNKEN B SELECTIVE HERBICIDE
54147	UNITED FARMERS BIFENTHRIN 100 INSECTICIDE/MITICIDE
54151	UNITED FARMERS PROPICONAZOLE 250 FUNGICIDE
54234	FULLFILL INSECTICIDE
54235	NV READYSERVE ORAL PROGESTAGEN FOR HORSES
54239	DEDICATE TURF FUNGICIDE
54240	HEXAZINONE
54261	NOT AVAILABLE
54290	MEBROM METHYL BROMIDE FUMIGANT 980
54404	ACP HALOXYFOP 520 HERBICIDE
54410	TALON ANT KILL GEL
54413	NOT AVAILABLE
52410	BISTRIFLURON
52994	NOT AVAILABLE
53558	KENSO AGCARE BROMOXYNIL 200 SELECTIVE HERBICIDE
53585	CHEMAG DICLOFOP - METHYL 375 SELECTIVE HERBICIDE
53668	MISSION FENAMIPHOS 400 INSECTICIDE
54045	BIOGUARD SMART STICKS POOL SANITISER
54095	MATESA GRAPE GUARD
54129	TILT 250 EC SYSTEMIC FUNGICIDE
54149	UNITED FARMERS 2,4-D LV ESTER 600 HERBICIDE
54153	UNITED FARMERS METRIBUZIN 750 WG HERBICIDE
54156	UNITED FARMERS LVE MCPA 500 HERBICIDE
54198	DYNAMAX PRIMER CONTROLLED RELEASE CAPSULES FOR ADULT SHEEP
54244	AGRO-GOLD GLYPHOSATE 360SL HERBICIDE
54300	NUFARM NUPRID 350SC INSECTICIDE
54492	MISSION GLYPHOSATE 510 HERBICIDE
54495	MISSION BIFEN NMP 400 EC TERMITICIDE & INSECTICIDE
54525	RAID ONE SHOT CRAWLING INSECT SURFACE SPRAY ODOURLESS KILLS FAST
54526	GARDEN KING FONGARID SYSTEMIC FUNGICIDE

Application No.	Name
54535	RAPID GREEN BINDII KILLER
54541	MISSION IMIDACLOPRID 350 SC INSECTICIDE
54543	MISSION IMAZAPIC 240 SC HERBICIDE

**APVMA CONTACT**

For further information please contact:

Application Management and Enquiries Team (AME)  
Australian Pesticides and Veterinary Medicines Authority  
PO Box 6182  
KINGSTON ACT 2604

**Phone:** (02) 6210 4701

**Fax:** (02) 6210 4721