

**SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product name	ALODEX Fly Larvicide
Other names	none
Recommended use	Insect Growth Regulator for the control of nuisance flies in animal housing.
Company	AgroCare Pty Ltd 59 Alt St, Queens Park NSW 2022, Australia
Website	<a href="http://www.agrocare.com.au">www.agrocare.com.au</a>
Telephone	(02) 9389 8161
Facsimile	(02) 9389 8171
Emergency phone number	13 11 26

**SECTION 2 - HAZARDS IDENTIFICATION**

Classification	Non-Hazardous Substance in accordance with Safe Work Australia (SWA, 2013). Not classified as a Dangerous Good according to the ADG Code.
Statements	Hazards: May irritate the eyes. May irritate the skin. Precautions: Do not inhale dust or spray mist. Avoid contact with eyes and skin. Mixing/Using: When preparing the product for use and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves. If dust is present wear a disposable dust mask. After Use: If product or spray in the eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and contaminated clothing.

**SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	Concentration [%]
Cyromazine	66215-27-8	2
Other ingredients (non-hazardous)		to 100

**SECTION 4 – FIRST AID MEASURES****Inhalation :**

Move to fresh air. Seek medical attention if breathing difficulties occur.

**Skin contact :**

Wash off thoroughly with plenty of soap and water. If irritation persists: Get medical advice/attention.

**Eye contact :**

Rinse immediately with plenty of water, also under the eyelids, for several minutes.

Remove contact lenses, if present and easy to do, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

**Ingestion :**

If fully conscious and alert give 1-2 cups of milk or water. Do NOT induce vomiting. Seek medical attention.

**Treatment :**

Treat symptomatically. There is no specific antidote.

**Medical Condition Likely to be Aggravated by Exposure :**

None known.

**Notes to Physician:**

The active ingredient of this product has high affinity for activated carbon.

If a large amount has been ingested, lavage stomach.

<b>SECTION 5 – FIRE FIGHTING MEASURES</b>	
Suitable extinguishing equipment	Use water spray, dry chemical, foam or carbon dioxide.
Specific hazards arising from the Chemical	As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion including Carbon oxides and Nitrogen oxides. Exposure to decomposition products may be a hazard to health.
Special protective equipment and precautions for fire fighters	Wear self-contained breathing apparatus for fighting fire.
<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>	
Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter rivers or lakes or drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up.	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
<b>SECTION 7 – HANDLING AND STORAGE</b>	
Precautions for safe handling	No special technical protective measures required. No special handling advice required. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. When using, do not eat, drink or smoke. For personal protection see section 8.
Conditions for safe storage, including any incompatibilities	No special storage conditions required. Keep containers tightly closed in a cool and well-ventilated place.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
Skin protection	Handle with chemical safety gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands. Bodysuit which offers protection against dry airborne particles should also be worn in situations where dust generation is likely. Dispose contaminated gloves and clothing after use in accordance with applicable laws
Respiratory protection	Use class P1 respirator which conforms with AS1716 in situations where dust generation is likely. Provide appropriate exhaust ventilation at places where dust is formed.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White granules
Odour	None
Odour Threshold	no data available
pH	6.0 – 8.0
Melting point/freezing point	135°C
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability	Not highly flammable
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1.4 g/cm <sup>3</sup>
Water solubility	Dispersible. Cyromazine solubility: 13g/l
Partition coefficient: n-octanol/water	log Pow: 0.501
Autoignition temperature	The product is not self-ignitable
Decomposition temperature	no data available
Viscosity	no data available

Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

**SECTION 10 – STABILITY AND REACTIVITY**

Reactivity	Hazardous polymerization does not occur.
Chemical stability	Stable under normal use and storage conditions
Possibility of hazardous reactions	None known.
Conditions to avoid	None known.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	None known.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Acute toxicity	Rat LD50 oral: 3387mg/kg (Alodex = 170g/kg) Rat LD50 dermal: 3100mg/kg (Alodex = 155g/kg) Rat LC50 inhalation: > 2710mg/m <sup>3</sup> / 4H
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	no data available
Specific target organ toxicity single exposure	Inhalation - May cause respiratory irritation
Specific target organ toxicity repeated exposure	no data available
Aspiration hazard	no data available
Potential health effects	no data available
Inhalation	Harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.

Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	May cause eye irritation.
Signs of Exposure	no data available

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>	
Toxicity to fish	LC50 Rainbow Trout: >100mg/l (Alodex: > 5g/l)
Toxicity to daphnia and other aquatic invertebrates	EC50 Daphnia magna (Water flea): > 93mg/l - 48 h (Alodex: > 4.7g/l)
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Results of PBT and vPvB assessment	no data available
Other adverse effect	Harmful to aquatic life.
<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>	
Waste treatment methods - Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Waste treatment methods - Contaminated packaging	Dispose of as unused product

**SECTION 14 – TRANSPORT INFORMATION**

UN number	None allocated
Proper shipping name	None allocated
Transport hazard class	None allocated
Packaging group	None allocated
Environmental hazards for Transport Purposes	None
Special precautions for user	None

**SECTION 15 – REGULATORY INFORMATION**

Poisons Schedule	Not scheduled
APVMA Registration	The product is registered by the APVMA. Registration Number 70444/63465

**SECTION 16 – OTHER INFORMATION**

Date of last revision	19 February 2016
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This version replaces all previous versions

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