

# MATERIAL SAFETY DATA SHEET

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PREPARED BY: LL

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>PRODUCT NAME:</b> Killmaster Zero Pest Strip	<b>OTHER NAMES:</b> No other names	<b>APVMA REGISTRATION NUMBER:</b> 59750
<b>USE:</b> Insecticide	<b>AUSTRALIAN DISTRIBUTOR:</b> Barmac, a division of Amgrow Pty Ltd, 17 Machinery Street, Darra, QLD 4076 Phone: (07) 3727 3000 Fax: (07) 3727 3030	<b>EMERGENCY PHONE NUMBERS:</b> Fire Brigade, Ambulance and Police Services: 000 Poisonings: 131 126 POISON INFORMATION CENTRE
<b>FORM:</b> Slow Release Generator		

## 2. HAZARD IDENTIFICATION

Classified as hazardous according to the criteria of SWA.  
Not dangerous according to the Australian Dangerous Goods for Roads and Trains (ADG) Code.

**HAZARD CATEGORY:** T (Toxic).

**POISON SCHEDULE:** S6 according to the SUSMP.

**ADG Classification:** Exempt.

**RISK PHRASES:**  
R26, R21/22, R43.

**SAFETY PHRASES:**  
S1/2, S28, S36/37, S45, S61.

**HAZCHEM CODE:**  
Exempt.

**UN NUMBER:** Exempt.

## 3. COMPOSITION INFORMATION ON INGREDIENTS

<b>MIXTURE: CHEMICAL IDENTITY:</b>  Dichlorvos Non-hazardous ingredients	<b>PROPORTION:</b>  20% Up to 100%	<b>CAS NO:</b>  62-73-7 Not Applicable
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## 4. FIRST AID MEASURES

<b>SWALLOWED:</b> Seek a doctor or hospital quickly. Avoid giving milk or oils. Can be fatal to children if sucked or swallowed.	<b>SKIN:</b> Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.
<b>EYES:</b> Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.	<b>INHALED:</b> If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

**FIRST AID FACILITIES:** Provide eye wash and shower facilities in workplace.

## 5. HEALTH EFFECTS

**INGESTION:** Product is moderately toxic.

**EYES:** Moderate eye irritant.

**SKIN:** Short single exposure should not result in any significant skin irritation.

**INHALED:** Inhalation of product for prolonged periods could cause significant irritation..

## 6. FIRE-FIGHTING MEASURES

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Product will burn and can emit toxic fumes. Molten material temperature can be above the boiling point of water and contact of water into the liquid may cause explosive boiling. Light flakes caused by sublimation may blow about creating a further fire hazard.

**SPECIAL FIRE FIGHTING PROCEDURES:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated.

**FLAMMABILITY:** This product is a flammable solid.

**HAZCHEM CODE:** Not Allocated.

**EXPOSURE LIMITS:** SWA has set an exposure standard for dichlorvos as TWA 0.9 g/m<sup>3</sup>.

**EXTINGUISHING MEDIA:** Preferred extinguishing media are carbon dioxide, dry chemical and foam. Use water fog if not alternative. Contain all run-off.

## 7. ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION:** Wear protective equipment to prevent skin contamination and inhalation.

**ENVIRONMENTAL PROTECTION:** If contamination of sewers or waterways has occurred advise local emergency services

**CLEAN UP AND DISPOSAL:** Dispose of empty foil sachet and used Pest Strip by wrapping in paper, placing in a plastic bag and putting in rubbish.

## 8. HANDLING AND STORAGE

**HANDLING:** Avoid skin contact and inhalation of product. Wash hands after use.

**STORAGE:** Store in the closed original container in a cool dry place out of reach of children. Do not store in direct sunlight.

## 9. EXPOSURE CONTROL/PERSONAL PROTECTION

**EYE PROTECTION:** Safety goggles or a face shield are recommended when this product is being used.

**PROTECTIVE MATERIAL TYPES:** No specific requirements.

**SKIN PROTECTION:** Wear overalls and PVC gloves (preferably elbow-length) when skin contact is likely.

**RESPIRATOR:** A mask is recommended to avoid inhaling vapour when TWA levels are exceeded..

**EXPOSURE LIMITS (TWA):** SWA has set an exposure standard for Dichlorvos as: TWA 0.9 mg/m<sup>3</sup>.

**VENTILATION:** This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

## 10. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b> Yellow plastic strip.	<b>BOILING POINT:</b> No data.	<b>SPECIFIC GRAVITY (20°C):</b> 1.26.	<b>FLAMMABILITY:</b> Flammable.
<b>FLASH POINT:</b> No data.	<b>VAPOUR DENSITY:</b> No data	<b>VAPOR PRESSURE (20°C):</b> No data.	<b>SOLUBILITY:</b> No data.

## 11. STABILITY AND REACTIVITY

**STABILITY:** Stable if stored in original container under normal ambient conditions.

**INCOMPATIBILITY/ CONDITIONS TO AVOID:** Extreme heat. Contact with strong alkalis, oxidisers and reducing agents. Contact with fuels and other organic or combustible materials. Strong reducing and oxidising agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition begins at 120°C Toxic products include COx and POx. Molten product burns on ignition to produce dense black smoke.

## 12. TOXICOLOGICAL INFORMATION

**SWALLOWED:** Harmful if swallowed. If swallowed, may cause irritation to mouth, throat and stomach. Can be fatal to children if sucked or swallowed.

**SKIN:** Skin contact may cause photosensitisation of skin areas and sunburn on subsequent exposure to UV alpha rays.

**EYE:** Irritating.

**INHALED:** Material contains a cholinesterase inhibitor. Inhalation of vapour may cause headaches, dizziness, irregular breathing and confusion.

**LONG TERM EXPOSURE:** No data is available for naphthalene. Dichlorvos is an anticholinesterase compound. Regular exposure may result in lowering of cholinesterase activity which will recover within a few days after exposure ceases.

## 13. ECOLOGICAL INFORMATION

**BREAKDOWN IN SOIL:** Dichlorvos has low persistence in soil. Half-lives of 7 days were measured on clay, sandy clay, and loose sandy soil. Dichlorvos is subject to hydrolysis and biodegradation. When released into the soil, this material is expected to quickly evaporate.

**BREAKDOWN IN WATER:** In water, Dichlorvos remains in solution and does not adsorb to sediments. It degrades primarily by hydrolysis, with a half-life of approximately 4 days in lakes and rivers. This half-life will vary from 20 to 80 hours between pH 4 and pH 9.

**BREAKDOWN IN VEGETATION:** Except for cucumbers, roses, and some chrysanthemums, plants tolerate Dichlorvos very well.

## 14. DISPOSAL

**WASTE DISPOSAL METHOD:** Dispose according to applicable local and state government regulations.

## 15. TRANSPORT INFORMATION

No classified as a dangerous good according to the ADG Code for Road & Rail.

## 16. REGULATORY INFORMATION

**POISONS SCHEDULE:** S6

**HAZARD CATEGORY:** Not Allocated.

## 16. OTHER INFORMATIONS

**This MSDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

**ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

**SWA** Safe Work Australia, formerly ASCC and NOHSC

**CAS Number** Chemical Abstracts Service Registry Number

**SUSMP** Standard for the Uniform Scheduling of Medicines & Poisons

**UN:** United Nations Number

**TWA:** Time weight average.

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