

DATE OF ISSUE 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: KILLMASTER ZERO PEST STRIPS

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

IDENTIFICATION

OTHER NAMES: Nil

USE: Insecticide

UN NUMBER: N/A

HAZCHEM CODE: N/A

DANGEROUS GOODS CLASS: N/A

SUB CLASS: N/A

POISONS SCHEDULE: 6

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Yellow Plastic Strip.

FLASHPOINT (° C): N/A

BOILING POINT (° C): N/A

FLAMMABILITY LIMITS (%): N/A

VAPOUR PRESSURE (___): N/A

SOLUBILITY IN WATER (g/L): N/A

SPECIFIC GRAVITY: 1.26

INGREDIENTS

CHEMICAL ENTITY

Dichlorvos
Inert Ingredients

CAS NO

62-73-7

PROPORTION

18.6 – 20 % W/W
81.4 – 80 % W/W

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE:

SWALLOWED: Product is moderately toxic. Product is an organophosphate pesticide and cholinesterase inhibitor.

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.

CHRONIC:

FIRST AID

SWALLOWED: If swallowed induce vomiting immediately by giving two glasses of water and touching back of throat with finger. Never give anything to an unconscious person. Contact a physician immediately.

EYES: If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.

SKIN: Immediately flush affected area with large amounts of clean water for 15 minutes. Remove contaminated clothing. Do not attempt to neutralize with chemical agents. Wash clothing before reuse. If skin irritation develops contact a physician immediately.

INHALED: Remove patient from contaminated area. If breathing has ceased, clear the victims airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen.

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Contact a physician immediately.

ADVICE TO DOCTOR: This product contains an Organophosphate (OP) Insecticides however it is the opinion of this manufacture that based on the formulation of this product organophosphate exposure is likely to be low. Therefore the examining Physician should exercise prudent judgement in determining the causation of the patients symptoms – taking care not to overlook multiple other etiologies of the patients symptoms. If it has been established that Organophosphate poisoning has occurred the following steps are recommended.

Establish airway and oxygenation. IV Atropine sulphate is the antidote of choice. Moderately severe poisoning: use 0.4-2.0 mg/kg in adults or 0.05 mg/kg in children. Repeat every 15 minutes until atropinization is achieved. Severe poisoning may require larger doses. Cholinergic toxicity may recur as atropinization wears off: monitor patients closely. Draw blood for RBC and plasma cholinesterase. In addition, Pralidoxime (2-PAM) is indicated during the first 36 hours of poisoning. Slow IV administration (no less than 2 minutes) of 1 g/kg in adults and 20-50 mg/kg in children may be repeated in 1-2 hours if muscle weakness, twitching and or respiratory depression persist. Avoid morphine, aminophylline, phenothiazine's, reserpine, furosemide and ethacrynic acid.

Bathe and shampoo contaminated skin and hair. If ingested, empty stomach. If victim is alert give Ipecac syrup (2 tablespoons Adults, 1 tablespoon for small children) followed by water (2 glasses adults, 1 glass for children). If systems persists such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a small cuffed endotracheal tube.

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PRECAUTIONS FOR USE

EXPOSURE STANDARDS: Good ventilation is sufficient for use of this product.

ENGINEERING CONTROLS: During manufacture of this product sufficient ventilation is required to keep exposure levels below the TLV (0.1 mg/m³)

RESPIRATION PROTECTION: A properly (fit tested) approved respirator with organic vapour cartridges is required during manufacture of this product if ventilation is insufficient to keep exposure below the TLV.

SKIN PROTECTION: Impervious rubber or nitrile gloves are required for prolonged or repeated exposure of this product. Worker should wear long sleeved shirt and long pants; waterproof gloves; and shoes plus socks. Keep and wash PPE separately from other laundry. Do not reuse contaminated clothing until it has been laundered properly. Always wash hands, face and arms with soap and water after using pesticides and before smoking, eating, drinking, and going to toilet. Shower after work each day.

EYE PROTECTION: Eye protection is not needed for ordinary use of this product. Safety glasses with side shields are required for prolonged and repeated exposure to this product.

FLAMMABILITY: None established

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HAZARDOUS COMBUSTION PRODUCTS: This product will emit toxic fumes when burned, including hydrogen chloride and carbon monoxide. Vapour of the unburned product may also be hazardous. Contact with the fumes and vapour should be avoided by staying upwind and by wearing impervious clothing and full face respirators.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water fog

FIRE FIGHTING INSTRUCTIONS: Evacuate the area. Use self contained breathing apparatus. Water spray and fog may be helpful in reducing flame intensity and absorbing irritating fumes. Treated area should be diked to prevent run off.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT: Store in original unopened package until ready to use. Avoid areas of extreme heat and store away from children, food and foodstuffs.

SPILLS AND DISPOSAL:

GENERAL: Clean up spilled strips immediately. Strips that have been dropped should be picked up for reuse or disposal. If strips are in their foil packages then no safety equipment is necessary. Simply pick up the strips and store until ready for use.

SMALL SPILL: For a single unwrapped strip no special protective measures are required. Either rehang the strip or dispose of the strip. Be sure to wash thoroughly with soap and water after handling the strip.

LARGE SPILL: Use protective equipment to prevent contact with the strips. Pick up the spilled strips and place them into closed containers. Clean up the area by treating with dilute ammonia or caustic solution (5% solution). Prevent runoff from getting into local supplies. Absorb the wash liquid on solid absorbent such as Kitty litter and place into sealed container for disposal.

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STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal use and storage conditions

INCOMPATIBILITY: Strong acids, oxidizers and strong bases

HAZARDOUS DECOMPOSITION PRODUCTS: Heating to decomposition will cause emission of acrid smoke and fumes of hydrogen chloride, phosphorus oxides and carbon dioxides.

HAZARDOUS POLYMERIZATION: This product will not polymerize.

TOXICOLOGICAL INFORMATION

The following information is available for the finished product(*) or for the technical material

| | | |
|-------------------------|---------------------------------------------------------------------------------------|------------------------------------------|
| INGESTION: | Oral LD ₅₀ (Rat) | 679/382 (male/female) mg/kg* |
| INHALATION: | Inhalation LC ₅₀ (Rat) | >200 mg/m ³ (1 hr nose only)* |
| DERMAL: | Skin LD ₅₀ (Rabbit) | 27 400 mg/kg (intact abdominal skin)* |
| IRRITATION: | Eye irritation: | Irritant |
| | Skin irritation | Irritant |
| SENSITIZATION: | Skin sensitization (guinea pig) | Possible sensitization |
| TERATOGENICITY: | No evidence of teratogenicity in laboratory animals exposed to the technical product. | |
| MUTAGENICITY: | No <i>in vivo</i> mutagenicity activity in mammalian assay systems from exposure. | |
| CARCINOGENICITY: | No clear evidence. Possible carcinogenic potential. | |

TOXICOLOGICAL SYNERGISTIC PRODUCTS: No data available.

ECOLOGICAL INFORMATION

This product may be toxic to fish, birds and other wildlife where large quantities of strips are involved.

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DISPOSAL CONSIDERATIONS

As a household waste, the spent strip should be wrapped in paper, placed in a sealed plastic bag and put into the garbage. If large numbers of strips are to be discarded the local authority should be contacted to find out the current regulations.

NOTICE: Information for this product is believed to be reliable, however buyer and user assume all risk of use, handling and storage whether in accordance with directions or not. Barmac Industries Pty Ltd and its agents give no guarantee or warranty of any kind express or implied concerning the use of this product and will not accept any responsibility whatsoever whether in contract or tort for any loss including consequential loss arising out of the use of this product or caused by this product.
