

## SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

|                                |   |
|--------------------------------|---|
| <b>Product Name</b>            | <b>Tal-Ken 100 Insecticide/ Miticide</b>  |
| <b>Company Name</b>            | Kenso Corporation (M) Sdn Bhd   |
| <b>Address</b>                 | 2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand  |
| <b>Telephone</b>               | 0800 536 766  |
| <b>Hazardous Substance</b>     | <b>0800 CHEMCALL (0800 243 622) (24 hours)</b>  |
| <b>Emergency Telephone</b>     |   |
| <b>National Poisons Centre</b> | <b>0800 POISON (0800 764 766) (24 hours)</b>  |
| <b>Use</b>                     | For the control of a wide range of insects in kiwifruit, vegetable brassicas, tomatoes, Kabocha and pumpkins. |

## SECTION 2 – HAZARDS IDENTIFICATION

|                              |   |
|------------------------------|---|
| <b>Hazard Pictograms</b>     |            |
| <b>Hazard Classification</b> | <b>3.1D, 6.1D, 6.1E, 6.3B, 6.5B, 6.9A, 9.1A, 9.2C, 9.3B, 9.4A</b>                           |
| <b>Priority Identifier</b>   | <b>COMBUSTIBLE LIQUID</b>   |
|                              | <b>WARNING</b>  |
|                              | <b>ECOTOXIC</b>   |
| <b>Secondary Identifier</b>  | <b>KEEP OUT OF REACH OF CHILDREN</b>  |
|                              | 3.1D = Combustible liquid   |
|                              | 6.1D = Harmful if swallowed   |
|                              | 6.1E = May be fatal if swallowed and enters airways.  |
|                              | 6.3B = May cause skin irritation  |
|                              | 6.5B = May cause sensitization by skin contact  |
|                              | 6.9B = May cause reproductive/development damage from repeated oral exposure at high doses. |
|                              | 9.1A = Very toxic to aquatic organisms  |
|                              | 9.2C = Harmful in the soil  |
|                              | 9.3B = Toxic to terrestrial vertebrates   |
|                              | 9.4A = Very toxic to terrestrial invertebrates  |

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| <b>Ingredients</b> | <b>CAS No</b> | <b>Proportion</b> |
|--------------------|---------------|-------------------|
| Bifenthrin         | 82657-04-3    | 10% w/v           |
| Other ingredients  | secret        | To 100% w/v       |

## SECTION 4 – FIRST AID MEASURES

|                         |  |
|-------------------------|--|
| <b>Ingestion</b>        | If swallowed, DO NOT induce vomiting. Seek medical advice or contact Poisons Information Centre (Ph 0800 POISON – 0800 764 766)                              |
| <b>Eye</b>              | Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.  |
| <b>Skin</b>             | Remove contaminated clothing and laundry before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops. |
| <b>Inhalation</b>       | Remove to fresh air until recovered. If symptoms persist, seek medical advice.   |
| <b>Advice to Doctor</b> | Treat symptomatically.   |

## SECTION 5 – FIRE FIGHTING MEASURES

|                              |  |
|------------------------------|--|
| <b>Fire/Explosion Hazard</b> | This product is classified as a C1 combustible product. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. |
| <b>HAZCHEM Code</b>          | 3XE  |
| <b>IER Guide No</b>          | 47   |

|                                   |  |
|-----------------------------------|--|
| <b>Extinguishing Media</b>        | Extinguish fire with foam, dry powder, carbon dioxide or water spray.  |
| <b>Fire Fighting Instructions</b> | Evacuate personnel to a safe area. Always wear positive-pressure self-contained breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies or drainage systems. |

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| <b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b> |  |
| <b>Personal Precautions</b>                    | For appropriate personal protective equipment (PPE), refer to section 8.   |
| <b>Spillage</b>                                | Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Collect in sealed open top containers for disposal. The product is an insecticide and spills must be contained. The product is highly toxic to fish and hence should be kept from entering water bodies. Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning (Agrecovery), or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable. |

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| <b>SECTION 7 – HANDLING AND STORAGE</b> |  |
| <b>Storage</b>                          | Keep out of reach of children and in a secure storage facility. Store in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances (Classes 1, 4 & 5). Store in a cool, dry, well ventilated place and protect from sunlight.                                   |
| <b>Handling</b>                         | Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.  |
| <b>Certified Handler</b>                | Persons responsible for the storage, handling, mixing, applying or disposing of this product must be trained, experienced or supervised in accordance with requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.. |
| <b>Tracking</b>                         | No required.   |
| <b>Record Keeping</b>                   | Required when applied.   |
| <b>Additional Requirements</b>          | All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.  |

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| <b>SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION</b> |   |
| <b>Engineering Controls</b>                                  | Handle in well ventilated areas, generally natural ventilation is adequate. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of agrichemical NZS8409.   |
| <b>Personal Protection</b>                                   | Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of heavy exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant; coveralls, boots and gloves. |

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| <b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b> |                   |
| <b>Form</b>   | Clear liquid      |
| <b>Colour</b>                                       | Brown colour      |
| <b>Odour</b>  | Aromatic odour    |
| <b>Specific gravity</b>                             | 0.93              |
| <b>Flash point (°C)</b>                             | NA                |
| <b>Flammability Limits</b>                          | Combustible       |
| <b>Miscibility</b>                                  | Emulsify in water |
| <b>Oxidising properties</b>                         | Not oxidising     |
| <b>Explosive properties</b>                         | Not explosive     |

## SECTION 10 – STABILITY AND REACTIVITY

|                            |   |
|----------------------------|---|
| <b>Stability</b>           | Stable under normal conditions.   |
| <b>Conditions To Avoid</b> | Avoid sources of ignition and extremes of temperature.  |
| <b>Hazardous Materials</b> | Hydrogen bromide, hydrogen cyanide, hydrogen fluoride, and oxides of carbon and nitrogen may be released in a fire. |
| <b>Incompatibility</b>     | Incompatible with strong acids and bases, oxidizing agents.   |
| <b>Hazardous Reactions</b> | No.   |

## SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

|                        |   |
|------------------------|---|
| <b>Acute Toxicity</b>  | Acute Oral, LD <sub>50</sub> (rat): 531 mg/kg<br>Acute Dermal, LD <sub>50</sub> (rat) >2000 mg/kg<br>Inhalation, LC <sub>50</sub> (rat) (4hr): 4.9 mg/l |
| <b>Skin Irritation</b> | May cause skin irritating.  |
| <b>Eye Irritation</b>  | Not irritating.   |
| <b>Sensitisation</b>   | Sensitizing (guinea pig).   |

## SECTION 12 – ECOTOXICITY INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

|                         |  |
|-------------------------|--|
| <b>Ecotoxic Effects</b> | Fish toxicity:<br>LC <sub>50</sub> (Rainbow trout) 0.00015 mg/L<br>LC <sub>50</sub> (Bluegill sunfish) 0.00035 mg/L<br>LD <sub>50</sub> (Quail) 1800 mg/kg<br>Bees<br>LC <sub>50</sub> 0.146 µg/bee<br>Soil<br>Degrades at a moderate rate in soils, half- life 65-125 days. Log Pow >6.0. Is slightly bound in most soils and is of extremely low water solubility. |
| <b>Bioaccumulative</b>  | Not available.   |

## SECTION 13 – DISPOSAL CONSIDERATIONS

|                  |  |
|------------------|--|
| <b>Product</b>   | Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.   |
| <b>Container</b> | Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, <a href="http://www.agrecovery.co.nz">www.agrecovery.co.nz</a> ). Otherwise, submit to local authority refuse receival facility. Do not burn. DO NOT reuse this container for any other purpose. |

## SECTION 14 – TRANSPORT INFORMATION

|                               |   |
|-------------------------------|---|
| <b>Dangerous Goods</b>        |   |
| <b>UN Number</b>              | 3082  |
| <b>Proper Shipping Name</b>   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BIFENTHRIN) |
| <b>Class</b>                  | 9   |
| <b>Subsidiary Class</b>       | None  |
| <b>Packaging Group</b>        | III   |
| <b>Additional Information</b> | MARINE POLLUTANT  |
| <b>MTQ (Non-Commercial)</b>   | 250 L   |

## SECTION 15 – REGULATORY INFORMATION

|                  |           |
|------------------|-----------|
| HSNO Approval No | HSR000277 |
| ACVM Approval No | P009793   |

## SECTION 16 – OTHER INFORMATION

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

### Contact Points

|                                     |                              |
|-------------------------------------|------------------------------|
| Police, Ambulance and Fire Service  | 111                          |
| National Poisons Information Centre | 0800 POISON (0800 764 766)   |
| Hazardous Substances Emergency      | 0800 Chemcall (0800 243 622) |