SAFETY DATA SHEET NEW ZEALAND



| PERIGEN® 500 | |
|-------------------------|------------|
| Date of Issue: | 2016.06.30 |
| Date of Previous Issue: | 2012.07.13 |
| 102000014424 | |

| 1. Identification of the Substance/Mixture and Supplier | | |
|---|--|--|
| Product name | Perigen® 500 | |
| | Perigen® 500 Spray and Residual Insecticide | |
| | Perigen® Defence Residual Insecticide | |
| Application | For the control of household and industrial pests, remedial treatment of timber in buildings and disinsection of aircraft. | |
| Company | Bayer CropScience Pty Ltd | |
| | Level 1, 8 Redfern Rd, | |
| | Hawthorn East, Vic. 3123 | |
| | Australia | |
| Telephone | 0800 428 246 | |
| Facsimile | (09) 441 8645 | |
| Emergency telephone | 0800 734 607 Ixom Operations Pty Ltd (24 hr) | |
| 2. Hazards Identification | | |
| Hazard classification | Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. | |
| Signal Word | Danger | |
| | | |

| HSNO Classification | Hazard statement codes | |
|---------------------|--|--|
| 3.1D | H227 Combustible liquid | |
| 6.1D (All) | H302+H312+H332 Harmful if swallowed, in contact with skin or inhaled. | |
| 6.3B | H316 Causes mild skin irritation | |
| 6.4A | H319 Causes serious eye irritation | |
| 6.5A | H334 May cause allergy or asthma symptoms or breathing difficulties if | |
| | inhaled. | |
| 6.5B | H317 May cause an allergic skin reaction. | |
| 6.9B (All) | H373 May cause damage to organs through prolonged or repeated | |
| | exposure. | |
| 9.1A (All) | H400/H410 Very toxic to aquatic life with long lasting effects. | |
| 9.3B | H432 Toxic to terrestrial vertebrates. | |
| 9.4A | H441 Very toxic to terrestrial invertebrates. | |

SAFETY DATA SHEET NEW ZEALAND

| BAYER |
|-------|
| |

| PERIGEN® 500 | |
|----------------|------------|
| Date of Issue: | 2016.06.30 |

| Date of Previous Issue: | 2012.07.13 |
|-------------------------|------------|
| 102000014424 | |

| Precautionary statement code | | | |
|--|--|--|--|
| P102 Keep out of reach of child | ren | | |
| P103 Read label before use. | | | |
| P210 Keep away from open flames and hot surfaces. No smoking. | | | |
| | P260 Do not breathe mist. | | |
| P264 Wash hands thoroughly a | | | |
| P270 Do not eat, drink or smoke | | | |
| | P271 Use only outdoors or in a well ventilated area. | | |
| | P272 Contaminated work clothing should not be allowed out of the work place. | | |
| | otective clothing/eye protection/face protection. | | |
| P285 In case of inadequate ven | itilation, wear respiratory protection. | | |
| P301 + P312 IF SWALLOWED, P330 Rinse mouth | , call a POISON CENTRE or doctor/physician if you feel unwell. | | |
| P302 + P352 IF ON SKIN; wash | n with plenty of soap and water. | | |
| P304 + P340 IF INHALED, rem | ove to fresh air and keep at rest in a position comfortable for | | |
| breathing. | | | |
| | S: Rinse cautiously with water for several minutes. Remove contact | | |
| lenses, if present and easy to de | | | |
| | or doctor/physician if you feel unwell. | | |
| | rash occurs, Get medical advice/attention. | | |
| | rsists, Get medical advice/attention. | | |
| P342 + P311 If experiencing respiratory symptoms; Call a POISON CENTRE or doctor/physician | | | |
| P363 Wash contaminated clothi | | | |
| P370 + P378 In case of fire, refer to Section 5 of this safety data sheet. | | | |
| P391 Collect spillage. | | | |
| P403 + P235 Store in a well ver P501 Dispose of in accordance | | | |
| PS01 Dispose of in accordance | with local regulations. | | |
| 15. Regulatory Information New Zealand | | | |
| | | | |
| HSNO Approval No | HSR000304 | | |
| HSNO Approval No | | | |
| | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin | | |
| HSNO Approval No HSNO Controls | HSR000304 | | |
| | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin | | |
| HSNO Controls | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See <u>www.epa.govt.nz</u> for controls | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any area where edible product or packaging material is stored. | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any area where edible product or packaging material is stored. 2. It must be used in a manner that prevents the entry of the | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any area where edible product or packaging material is stored. 2. It must be used in a manner that prevents the entry of the insecticide into edible product areas or stores containing packaging | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any area where edible product or packaging material is stored. 2. It must be used in a manner that prevents the entry of the | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound approval (non-dairy) | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any area where edible product or packaging material is stored. 2. It must be used in a manner that prevents the entry of the insecticide into edible product areas or stores containing packaging material. | | |
| HSNO Controls Agricultural Compounds and Veterinary Medicines (ACVM) MPI Maintenance compound | HSR000304 Emulsifiable concentrate containing 500 g/litre permethrin See www.epa.govt.nz for controls Agricultural compound exempt from registration Insecticide Type B 1) This insecticide is not permitted in any edible product area or any area where edible product or packaging material is stored. 2. It must be used in a manner that prevents the entry of the insecticide into edible product areas or stores containing packaging | | |



Version 1 / AUS 102000014424

1/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

| 1.1 Product identifier | | |
|---|--|--|
| Trade name | Perigen® Defence Residual Insecticide | |
| Product code (UVP) | 06069142 | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | | |
| Use | Insecticide | |
| 1.3 Details of the supplier of the safety data sheet | | |
| Supplier | Bayer CropScience Pty Ltd. ABN 87 000 226 022 Level 1, 8 Redfern Road 3123 Hawthorn East Victoria Australia | |
| Telephone | (03) 9248 6888 | |
| Telefax | (03) 9248 6800 | |
| Responsible Department | 1800 804 479 Technical Information Service | |
| Website | www.environmentalscience.bayer.com.au | |
| 1.4 Emergency telephone no | | |
| Emergency telephone no. | 1800 033 111 IXOM Operations Pty Ltd | |

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Australia. GHS Hazardous Chemical Information List

Aspiration hazard: Category 1H304May be fatal if swallowed and enters airways.Acute toxicity: Category 4H302Harmful if swallowed.Acute toxicity: Category 4H332Harmful if inhaled.

Skin sensitisation: Category 1H317May cause an allergic skin reaction.

Acute aquatic toxicity: Category 1 H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1H410Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Hazard label for supply/use required.

Hazardous components which must be listed on the label:



Version 1 / AUS 102000014424 2/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

Permethrin

Solvent Naphtha (petroleum), heavy aromatic

Signal word: Danger

Hazard statements

| H304 | May be fatal if swallowed and enters airways. |
|------|---|
| H302 | Harmful if swallowed. |
| H332 | Harmful if inhaled. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Precautionary statements

| P261 | Avoid breathing mist and spray. |
|-------------|--|
| P271 | Use only outdoors or in a well-ventilated area. |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor/physician if you feel unwell. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/ physician. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P330 | Rinse mouth. |
| P331 | Do NOT induce vomiting. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| P363 | Wash contaminated clothing before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local regulation. |

2.3 Other hazards

No other hazards known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

| Permethrin 25:75 500 g/l | |
|--------------------------|--|
| Chemical nature | |

Emulsifiable concentrate (EC)

| Chemical Name | CAS-No. | Concentration [%] |
|---|------------|-------------------|
| Permethrin | 52645-53-1 | 53.00 |
| Solvent Naphtha (petroleum), heavy aromatic | 64742-94-5 | 35.51 |
| Other ingredients (non-hazardous) to 100% | | |

SECTION 4. FIRST AID MEASURES



Perigen® Defence Residual Insecticide Version 1/AUS 102000014424

3/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.

| 4.1 Description of first aid measures | | |
|--|---|--|
| Inhalation | Move the victim to fresh air and keep at rest. When symptoms persist or in all cases of doubt seek medical advice. Oxygen or artificial respiration if needed. | |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned. If symptoms persist, call a physician. | |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation or redness persists, see an ophthalmologist. | |
| Ingestion | Rinse mouth. Do NOT induce vomiting. Keep patient warm and at rest. If symptoms persist, call a physician. | |
| 4.2 Most important symptoms | s and effects, both acute and delayed | |
| Symptoms | Prolonged and repeated contact with skin, eyes or mucous membranes may cause irritation., Burning sensation, Breathing difficulties, Airway hyperreaction, Pulmonary oedema, Tachycardia, Hypotension, Palpitation, Nausea, Vomiting, Diarrhoea, Abdominal pain, Salivation, Dizziness, Blurred vision, Headache, anorexia, Somnolence, Coma, Seizures, Convulsions, Tremors, Ataxia, Muscular fasciculation | |
| 4.3 Indication of any immediate medical attention and special treatment needed | | |
| Treatment | In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Treat symptomatically. Monitor: respiratory and cardiac functions. ECG - monitoring (Electrocardiogram). There is no specific antidote. Contraindication: atropine. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. | |

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

| Suitable | Foam, Dry powder, Water spray |
|------------|-------------------------------|
| Unsuitable | High volume water jet |



| Version | 1 | / | AUS |
|-----------|----|----|-----|
| 102000014 | 44 | 24 | 1 |

4/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

| 5.2 Special hazards arising from the substance or mixture | In the event of fire the following may be released:, Hydrogen chloride (HCI), Carbon monoxide (CO), Carbon dioxide (CO2) | |
|---|---|--|
| 5.3 Advice for firefighters | | |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. | |
| Further information | Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Do not allow run-off from fire fighting to enter drains or water courses. | |
| Hazchem Code | •3Z | |
| SECTION 6. ACCIDENTAL RELEASE MEASURES | | |
| | | |
| 6.1 Personal precautions, protective equipment and emergency procedures | | |
| Precautions | Use personal protective equipment. Avoid contact with spilled product or contaminated surfaces. Keep unauthorized people away. | |

| 6.2 Environmental precautions | Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities. |
|---|--|
| 6.3 Methods and materials for containment and cleaning up | |

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

| Advice on safe handling | Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation. | |
|--|---|--|
| Advice on protection against fire and explosion | Keep away from heat and sources of ignition. Do not use this product in or on electrical equipment due to the possibility of shock hazard. Take measures to prevent the build up of electrostatic charge. | |
| Hygiene measures | Avoid contact with skin, eyes and clothing. | |
| 7.2 Conditions for safe storage, including any incompatibilities | | |
| Requirements for storage areas and containers | Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. | |



Version 1 / AUS 102000014424

5/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Components | CAS-No. | Control parameters | Update | Basis |
|------------|------------|----------------------|---------|----------|
| Permethrin | 52645-53-1 | 5 mg/m3 (TWA) | 12 2011 | AU NOEL |
| Permethrin | 52645-53-1 | 10 mg/m3 (SK-SEN) | | OES BCS* |

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

8.2 Exposure controls

Personal protective equipment - End user **General advice** Eye wash facility and safety shower should be available. **Respiratory protection** Respiratory protection is not required under anticipated circumstances of exposure. Hand protection Elbow-length PVC or nitrile gloves Eye protection Face-shield or goggles Skin and body protection Cotton overall buttoned to the neck and wrist **Engineering Controls** Avoid contact with skin, eyes and clothing. Use only in area provided Advice on safe handling with appropriate exhaust ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| Form | Liquid, clear |
|---------|------------------------|
| Colour | yellow to brown |
| Odour | aromatic |
| Density | ca. 1.06 g/cm³ at 20 ℃ |



Version 1 / AUS 102000014424

6/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Strong oxidizing agents

| 10.6 Hazardous | Thermal decomposition can lead to release of: |
|------------------------|---|
| decomposition products | Hydrogen chloride (HCI) |
| decomposition products | Carbon oxides |

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| Acute oral toxicity | LD50 (Rat) 1,479 mg/kg The value mentioned relates to the active ingredient permethrin. |
|-----------------------|--|
| Acute dermal toxicity | LD50 (Rabbit) > 2,000 mg/kg The value mentioned relates to the active ingredient permethrin. |
| Skin irritation | Mild skin irritation. (Rabbit) The value mentioned relates to the active ingredient permethrin. |
| Eye irritation | Mild eye irritation. (Rabbit) The value mentioned relates to the active ingredient permethrin. |

Assessment mutagenicity

Permethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Permethrin caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver, Lungs. The mechanism that triggers tumours in rodents is not relevant for the low exposures encountered under normal use conditions.

Assessment toxicity to reproduction

Permethrin did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Permethrin did not cause developmental toxicity in rats and rabbits.

Assessment repeated dose toxicity

Permethrin did not cause specific target organ toxicity in experimental animal studies.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Avoid breathing spray mist., Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Mild skin irritant., Avoid contact with skin. May cause eye irritation.



Version 1 / AUS 102000014424 7/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

Harmful if swallowed.

Early onset symptoms related to exposure Refer to Section 4

Delayed health effects from exposure Refer to Section 11

Exposure levels and health effects Refer to Section 4

Interactive effects Not known

When specific chemical data is not available Not applicable

Mixture of chemicals Refer to Section 2.1

Further information

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

SECTION 12. ECOLOGICAL INFORMATION

| 12.1 Toxicity | | |
|--------------------------------------|---|--|
| Toxicity to fish | LC50 (Poecilia reticulata (guppy)) 0.0076 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient permethrin. | |
| Toxicity to aquatic invertebrates | EC50 (Daphnia magna (Water flea)) 0.00017 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient permethrin. | |
| Toxicity to aquatic plants | EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.497 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient permethrin. | |
| 12.2 Persistence and degradability | | |
| Biodegradability | Permethrin: Not rapidly biodegradable | |
| Кос | Permethrin: Koc: 100000 | |
| 12.3 Bioaccumulative potential | | |
| Bioaccumulation | Permethrin: Bioconcentration factor (BCF) 300 Does not bioaccumulate. | |
| 12.4 Mobility in soil | | |
| Mobility in soil | Permethrin: Immobile in soil | |
| 12.5 Other adverse effects | | |



Version 1 / AUS 102000014424

8/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

Additional ecological information

No further ecological information is available.

SECTION 13. DISPOSAL CONSIDERATIONS

Metal drums and plastic containers:

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14. TRANSPORT INFORMATION

ADG

| UN number | 3082 |
|----------------------------|---|
| Transport hazard class(es) | 9 |
| Subsidiary Risk | None |
| Packaging group | III |
| Description of the goods | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| | (PERMETHRIN SOLUTION) |
| Hazchem Code | •3Z |

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

IMDG

| | UN number | 3082 |
|------|----------------------------|---|
| | Transport hazard class(es) | 9 |
| | Subsidiary Risk | None |
| | Packaging group | III |
| | Marine pollutant | YES |
| | Description of the goods | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, |
| | | N.O.S. |
| | | (PERMETHRIN SOLUTION) |
| ΙΑΤΑ | | |
| | UN number | 3082 |
| | Transport hazard class(es) | 9 |
| | Subsidiary Risk | None |
| | Packaging group | III |
| | Environm. Hazardous Mark | YES |
| | Description of the goods | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| | | (PERMETHRIN SOLUTION) |



Version 1 / AUS 102000014424

9/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994

Australian Pesticides and Veterinary Medicines Authority approval number: 57184

SUSMP classification (Poison Schedule)

Schedule 6 (Standard for the Uniform Scheduling of Medicines and Poisons)

SECTION 16. OTHER INFORMATION

Trademark information Perigen® is a registered trademark of the Bayer Group.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Abbreviations and acronyms

| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
|-----------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute toxicity estimate |
| AU OEL | Australia. OELs. (Adopted National Exposure Standards for Atmospheric |
| | Contaminants in the Occupational Environment) |
| CAS-Nr. | Chemical Abstracts Service number |
| CEILING | Ceiling Limit Value |
| Conc. | Concentration |
| EC-No. | European community number |
| ECx | Effective concentration to x % |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| EN | European Standard |
| EU | European Union |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) |
| ICx | Inhibition concentration to x % |
| IMDG | International Maritime Dangerous Goods |
| LCx | Lethal concentration to x % |
| LDx | Lethal dose to x % |
| LOEC/LOEL | Lowest observed effect concentration/level |
| MARPOL | MARPOL: International Convention for the prevention of marine pollution from ships |
| N.O.S. | Not otherwise specified |
| NOEC/NOEL | No observed effect concentration/level |
| OECD | Organization for Economic Co-operation and Development |



Perigen® Defence Residual Insecticide Version 1 / AUS 102000014424

10/10 Revision Date: 30.06.2016 Print Date: 30.06.2016

| OES BCS PEAK | OES BCS: Internal Bayer CropScience "Occupational Exposure Standard" PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes. |
|------------------------|--|
| RID SK-SEN | Regulations concerning the International Carriage of Dangerous Goods by Rail Skin sensitiser |
| SKIN_DES | SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure. |
| STEL | STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. |
| TWA | TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week. |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |
| Changes sinc versions. | e the last version are highlighted in the margin. This version replaces all previous |

END OF SDS