

Temprid SC Insecticide Concentrate

TEMPRID SC INSECTICIDE IS A NEW GENERAL USE INSECTICIDE WHICH PROVIDES UNSURPASSED ANT CONTROL AND HAS PROVEN, THROUGH REAL-WORLD FIELD USAGE, TO BE THE ONLY PERIMETER PEST CONTROL PRODUCT YOU'LL EVER NEED !

Temprid SC Insecticide Concentrate offers a unique dual mode of action by combining two powerful and effective residual insecticides: beta-cyfluthrin and imidacloprid. The result is Temprid, which provides quick knockdown and long residual control of more than 50 pests, including ants, spiders, cockroaches and other key perimeter pests. The dual action works extremely well on pests like ants, making it one of the best ant control products on the market. While Temprid SC is labeled for indoor and outdoor use, we recommend spraying outside and around the foundation of the home -- spray 3 ft. up the side of the house, and 3-5 ft. out from the structure from the base of the foundation (spraying directly on the ground) -- this will give you a powerful contiguous barrier against pests.

Temprid SC Insecticide Concentrate Features:

- * Delivers unsurpassed ant control.
- * Also eliminates aphids, scale and mealy bugs that produce honeydew, a preferred food source of many ant species.
- * The only perimeter pest control product you will ever need.
- * Broad spectrum insecticide - controls perimeter pests that some competitive products don't.
- * Flexible label.
- * Can be applied outdoors and indoors.
- * Can be applied as a perimeter application 3 ft up and 10 ft out from the structure.
- * Better pest stopping power than non-repellents.

Temprid SC Insecticide Concentrate Uses / Applications:

Labeled for interior / exterior use; Turf, lawns & ornamental trees and shrubs.

Bed Bug Control: Use at a rate of 0.27 fl oz (8 milliliters) of Temprid SC Insecticide Concentrate per gallon of water.

Controls bed bug populations that are resistant to pyrethroid insecticides.

Spray bugs and eggs directly wherever possible following site directions below: For infested mattresses, remove linens and wash before reuse. Apply to tufts, seams, folds, and edges until moist. Allow to dry before remaking bed.

Apply to bed springs, box springs, and the interior of bed frames or headboards, including all cracks and joints.

When bed bugs are found in upholstered furniture, apply only to the infested tufts, seams, folds and edges, but do not apply to flat surfaces where prolonged human contact will occur. If bugs heavily infest furniture (inside cushions and/or batting) apply a labeled insecticide dust such as Tempo Dust.

Apply as a crack and crevice treatment to all baseboards, moldings, beneath floor coverings and carpets, closets, shelves, curtains, furniture and picture frames that may provide harborage to bed bugs.

Mixing Rate: 0.075% - 8 ml (0.27 oz) per gallon of water or 0.15% - 16 ml (0.54 oz) per gallon of water

Power spray rate: use 150 ml per 50 gallons (0.029% dilution)

Yield: 400 ml bottle makes 25-50 gallons of finished solution

Temprid SC Insecticide Concentrate Target Pests:

Ambrosia Beetles, Ants*except Pharaoh, Asian Lady Beetles, Bed Bugs, Beetles, Boxelder Bugs, Carpenter Ants, Carpenter Bees, Carpet Beetles, Centipedes, Clothes Moths, Clover Mites, Cluster Flies, Cockroaches, Crickets, Darkling Beetles, Deathwatch Beetles, Dermestids, Earwigs, Elm Leaf Beetles, False Powderpost Beetles, Fire Ants, Firebrats, Fleas, Fruit Flies, Fungus Gnats, Gnats, Ground Beetles, Hide Beetles, Hornets, House Flies, Midges, Millipedes, Mosquitoes, Moths, Old House Borers, Phorid Flies, Pillbugs, Powderpost Beetles, Scorpions, Silverfish, Sowbugs, Spiders* except Brown Recluse, Springtails, Ticks, Wasps, Wharf Borers and Yellow Jackets

Temprid SC Insecticide Concentrate Active Ingredient:

IMIDACLOPRID21.0%
BETA-CYFLUTHRIN10.5%

Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide

Revision Date: 10.04.2012 102000022949 1/8 SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER Product name: Temprid® 75 Residual Insecticide Other names: None Product code (UVP): 79726996 Recommended use: Insecticide Chemical formulation: Suspension concentrate (=flowable concentrate)(SC) Company: Bayer Environmental Science A Business Operation of Bayer CropScience Pty Ltd ABN 87 000 226 022 391-393 Tooronga Road, East Hawthorn Victoria 3123, Australia Telephone: (03) 9248 6888 Technical Information Service: 1800 804 479 Facsimile: (03) 9248 6800 Website: www.bayeres.com.au Contact: (03) 9248 6888 Technical Manager Emergency telephone no.: 1800 033 111 Orica SH&E Shared Services SECTION 2. HAZARDS IDENTIFICATION Emergency Overview HAZARDOUS SUBSTANCE DANGEROUS GOODS Hazardous classification: Hazardous (National Occupational Health and Safety Commission - NOHSC). R-phrases: R23/25 – Toxic by inhalation and if swallowed. S-phrases: See sections 4, 5, 6, 7, 8, 10, 13. ADG Classification: Not a "Dangerous good" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Temprid Residual Insecticide is a MARINE POLLUTANT. See Section 14. SUSMP classification (Poison Schedule): Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical nature: Beta-Cyfluthrin 25 g/L Imidacloprid 50 g/L Chemical Name CAS-No. Concentration [%] Beta-cyfluthrin 68359-37-5 2.5 Imidacloprid 138261-41-3 5.0 Glycerine 56-81-5 11.5 Other ingredients (non-hazardous) to Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 2/8 100 % SECTION 4. FIRST AID MEASURES 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. Inhalation Move to fresh air. When symptoms persist or in all cases of doubt seek medical advice. Skin contact Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately. Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists. Ingestion Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth. Notes to physician Symptoms Local: Skin and eye paraesthesia which may be severe, usually transient with resolution within 24 hours. Skin, eye and mucous membrane irritation, cough, sneezing. Systemic: Discomfort in the chest, tachycardia, hypotension, nausea, abdominal pain, diarrhoea, vomiting, dizziness, blurred vision, headache, anorexia, somnolence, coma, convulsions, tremors, prostration, airway hyperreaction, pulmonary oedema, palpitation, muscular fasciculation, apathy. Treatment Treat symptomatically. Monitor: respiratory and cardiac functions. 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. SECTION 5. FIRE FIGHTING MEASURES Suitable extinguishing media Water

spray Carbon dioxide (CO₂) Foam Dry chemical Hazards from combustion products In the event of fire dangerous gases may evolve. Precautions for fire-fighting In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Wear self-contained breathing apparatus and protective suit. Contain the spread of the fire-fighting media. Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 3/8 Do not allow run-off from fire fighting to enter drains or water courses. Hazchem Code •3Z SECTION 6. ACCIDENTAL RELEASE MEASURES Personal precautions Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment. When dealing with a spillage do not eat, drink or smoke. 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. Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, labeled and closed containers for disposal. Additional advice Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13. SECTION 7. HANDLING AND STORAGE Handling Hygiene measures: Avoid contact with skin, eyes and clothing. Keep working clothes separately. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt). Wash hands before breaks and immediately after handling the product. Storage Requirements for storage areas and containers: Store in original container. Store in a place accessible by authorized persons only. Keep containers tightly closed in a dry, cool and well-ventilated place. Advice on common storage: Keep away from food, drink and animal feedingstuffs. SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION Components with workplace control parameters Components CAS-No. Control parameters Update Basis Imidacloprid 138261-41-3 0.7 mg/m³ (TWA) OES BCS Glycerine (Inspirable dust) 56-81-5 08 2005 AU OEL Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 4/8 For further details on the Occupational Exposure Standards, see Section 16. Personal protective equipment - End user Respiratory protection: No personal respiratory protective equipment normally required. Hand protection: Elbow-length PVC or nitrile gloves. Skin and body protection: Cotton overall buttoned to the neck and wrist. Engineering Controls Advice on safe handling: Use only in area provided with appropriate exhaust ventilation. SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance Form: Liquid, suspension Colour: White to beige Odour: Characteristic Safety data pH: ca. 6.9 (10 %) Flash point: No data available Ignition temperature: No data available Upper explosion limit: No data available Lower explosion limit: No data available Vapour pressure: No data available Relative vapour density: No data available Density: 1.16 g/cm³ Water solubility: Miscible Partition coefficient: noctanol/water: No data available SECTION 10. STABILITY AND REACTIVITY Chemical stability: Stable under normal conditions. Materials to avoid: Strong acids Bases Strong oxidizing agents Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 5/8 Hazardous decomposition products: Thermal decomposition can lead to release of: Hydrogen chloride (HCl) Hydrogen cyanide (hydrocyanic acid) Hydrogen fluoride Carbon monoxide Nitrogen oxides (NO_x) Hazardous reactions: No hazardous reactions when

stored and handled according to prescribed instructions. SECTION 11. TOXICOLOGICAL INFORMATION Potential health effects Inhalation: Toxic by inhalation. Skin: May cause skin irritation. Eye: May cause eye irritation. Ingestion: Toxic if swallowed. Animal toxicity studies Acute oral toxicity: LD50 (rat) > 1,044mg/kg Test conducted with similar formulation. Acute inhalation toxicity: LC50 (rat) > 2.03 mg/L Exposure time: 4 h Determined in the form of a liquid aerosol. Highest attainable concentration. Test conducted with similar formulation. Acute dermal toxicity: LD50 (rat) > 2,000 mg/kg Test conducted with similar formulation. Skin irritation: Slight skin irritation (rabbit). The value mentioned relates to the active ingredient beta-cyfluthrin. Skin irritation: No skin irritation (rabbit). The value mentioned relates to the active ingredient imidacloprid. Eye irritation: Mild eye irritation (rabbit). The value mentioned relates to the active ingredient beta-cyfluthrin. Eye irritation: No eye irritation (rabbit). The value mentioned relates to the active ingredient imidacloprid. Sensitisation: Non-sensitizing (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test The value mentioned relates to the active ingredients beta-cyfluthrin. Sensitisation: Non-sensitizing (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test. The value mentioned relates to the active ingredient imidacloprid. Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 6/8 SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity effects Toxicity to fish: LC50 (*Oncorhynchus mykiss* (Rainbow trout)) 0,068 µg/L Exposure time: 96 h The value mentioned relates to the active ingredient beta-cyfluthrin. Toxicity to fish: LC50 (*Oncorhynchus mykiss* (Rainbow trout)) 211 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid. Toxicity to aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)) 0,29 µg/L Exposure time: 48 h The value mentioned relates to the active ingredient beta-cyfluthrin. Toxicity to aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)) 85 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient imidacloprid. Toxicity to aquatic invertebrates: LC50 (*Chironomus riparius* (non-biting midge)) 0.0552 mg/L Exposure time: 24 h The value mentioned relates to the active ingredient imidacloprid. Toxicity to aquatic plants: IC50 (*Desmodesmus subspicatus*) > 0.01 mg/L Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient beta-cyfluthrin. No acute toxicity was observed at its limit of water solubility. Toxicity to aquatic plants: EC50 (*Desmodesmus subspicatus*) > 10 mg/L Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient imidacloprid. Toxicity to other organisms: LD50 (*Coturnix japonica* (Japanese quail)) > 2,000 mg/kg The value mentioned relates to the active ingredient beta-cyfluthrin. Biodegradability: Readily biodegradable. The value mentioned relates to the active ingredient beta-cyfluthrin. 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 Class 9 Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 7/8 Subsidiary Risk None Packaging group III

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BETA-CYFLUTHRIN, IMIDACLOPRID 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 Class 9 Subsidiary Risk None Packaging group III EmS F-A , S-F Marine pollutant YES Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BETA-CYFLUTHRIN, IMIDACLOPRID SOLUTION) IATA UN-Number 3082 Class 9 Subsidiary Risk None Packaging group III Environm. Hazardous Mark YES Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BETA-CYFLUTHRIN, IMIDACLOPRID SOLUTION) SECTION 15. REGULATORY INFORMATION Registered according to the Agricultural and Veterinary Chemicals Code Act 1994. Australian Pesticides and Veterinary Medicines Authority approval number: To be assigned. See also Section 2. SECTION 16. OTHER INFORMATION Trademark information Temprid® is registered trademark of Bayer. 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 Bayer Environmental Science Safety Data Sheet Temprid® 75 Residual Insecticide Version / AUS Revision Date: 10.04.2012 102000022949 8/8 which is sent to our customers and is also available on request. Further details on the Occupational Exposure Standards mentioned in Section 8 CEILING: Ceiling Limit Value 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. 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. SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure. 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 fiveday working week. Changes since the last version are highlighted in the margin. This version replaces all previous versions. Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet. END OF SDS

