

VILLA TRIVIA 500 WDG

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TRIVIA 500 WDG
Other identifier: Pymetrozine 500 WDG
Recommended use: Insecticide
Restrictions on use: Agriculture

Supplier: Villa Crop Protection (Pty) Ltd.
 PO Box 801,
 Kempton Park, 1620, South Africa

Telephone: (011) 396 2233
Fax: (011) 396 4666
Website: www.villacrop.co.za

Emergency telephone numbers:
24 Hr Transport / Spill emergency no:
 Envirosure. +27 31 205 4918
 (Hazcall24) +27 86 044 4411
 (Client: Villa Crop Protection)
 Griffon Poison Information Centre +27 82 446 8946
 (Client: Villa Crop Protection)

Poisoning Emergency telephone numbers:
 Griffon Poison Information Centre +27 82 446 8946
 Poisons Information Centre +27 861 555 777

Villa Crop Protection Emergency number:
National Safety, Health and Environmental Manager:
 +27 63 698 0668

2. HAZARDS IDENTIFICATION

UN GHS, Regulation EC 1272/2008 [EU-GHS/CLP] EU & SANS 10234:2008		
Hazard classes	Hazard categories	H-statements
Health		
Dermal	Acute Tox. 5 Skin Irrit. 2	H313 H315
Eye	Eye Dam. 1	H318
Inhalation	Acute Tox. 4	H332
Carcinogenicity	Carc. 2	H351
Environment		
Aquatic chronic	Aquatic chronic 3	H412

The most important adverse effects:

Physiochemical effects:

None known.

Human health effects:

Causes skin irritation.
 Causes serious eye damage.
 Harmful if inhaled.
 Suspected of causing cancer.

Label elements:



Signal word: Danger.

Hazard statements:

H313: May be harmful in contact with skin.
 H315: Causes skin irritation.
 H318: Causes serious eye damage.
 H332: Harmful if inhaled.
 H351: Suspected of causing cancer.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

P202: Do not handle until all safety precautions have been read and understood.
 P264: Wash hands and face thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.
 P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
 P302/352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.
 P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308/313: If exposed or concerned: Get medical attention.
 P310: Immediately call a POISON CENTRE.
 P332/313: If skin irritation occurs: get medical advice.
 P362/364: Take off contaminated clothing and wash it before reuse.
 P405: Store locked up.
 P501: Dispose of content/container to suitable landfill in accordance with local regulations.

Special labelling of certain mixtures:

None known.

Other hazards:

None known.

Toxicity:

Classification according to GHS: Cat. 4
 Classification according to WHO: Cat. III
 Classification according to Pesticide manual (16th ed.) (Active): Cat. III

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture.

Composition:

Chemical Name	CAS	Conc. (M/m %)	Classification EC 1272/2008
Pymetrozine technical (95% min)	123312-89-0	50 %	Carc. 2 (H351) Aquatic Chronic 3 (H412)

VILLA TRIVIA 500 WDG

SAFETY DATA SHEET

Sodium dodecyl benzene sulfonate	25155-30-0	<5 %	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
----------------------------------	------------	------	--

risk. Avoid pollution of waterways. Contain water used for fire fighting for later disposal.

Personal protective equipment: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Do not breathe in dust formation. Ventilate area of spill or leak, especially in contained areas. Avoid contact with eyes and skin.

Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Alert firefighting personnel, evacuate unprotected personnel and animals.

Environmental Precautions: Prevent spilled product from entering sewers, waterways or ground water as the product is classified to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be immediately reported to the police and the Department of Water/Environmental Affairs.

Methods and Materials for Containment: Contain spilled product by picking up with an electrically protected vacuum cleaner or by wet brushing and transfer to a container for disposal. Do not create a powder cloud by using a brush or compressed air.

Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

7. HANDLING AND STORAGE

Handling:

Precautions for safe handling: Avoid contact with eyes and skin. Ensure adequate ventilation during handling and use. Do not handle broken packages without protective clothing/equipment. Immediately clean up spills that occur during handling. Keep containers tightly closed when not in use. In the case of contact with the product, refer to First Aid Measures – Section 4.

General occupational hygiene: Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used again.

Storage:

4. FIRST AID MEASURES

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

Inhalation: Immediately remove source of contamination or move victim to fresh air. Keep affected person warm and at rest. Supply oxygen if necessary.

Skin: Remove contaminated clothing and shoes. Gently wipe of excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Seek medical advice if necessary.

Eyes: Immediately flush eyes with gently flowing cold water or saline solution for 15-20 minutes, holding the eyelid(s) open. **Seek medical attention immediately.**

Ingestion: Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Anticipated acute effects: None known.

Anticipated delayed effects: None known.

Most important symptoms/effects: Limited evidence of a carcinogenic effect.

Advice to physician: Treat symptomatically and supportively. No specific antidote known.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Extinguish fires with carbon dioxide, dry powder or alcohol-resistant foam.

Unsuitable Extinguishing Media: Water. Water spray can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Use as little water as possible.

Specific hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Special Fire Fighting Procedures: Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Burning chemicals may produce by-products more toxic than the original material. Remove container from fire area if possible and without

VILLA TRIVIA 500 WDG

SAFETY DATA SHEET

Conditions for safe storage: Keep under lock and key and keep out of reach of unauthorised persons, children and animals. Store in its original labelled container in an isolated, dry, cool and well-ventilated area. Do not store near heat, open flame, sources of ignition or hot surfaces. Avoid cross contamination with other pesticides and fertilisers. Local regulations should be complied with.

Incompatible substances and mixtures: Refer to product label.

Packaging material: Plastic/foil containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Components	Exposure limits	Type of exposure limit	Source
Pymetrozine	0,8 mg/m ³	8 h (TWA)	OSHA PEL

Engineering Controls:

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

Personal Protective Equipment:

Respiratory Protection: Wear an organic cartridge respirator suitable for protection from dust/spray of pesticides if inhalation is likely to occur.

Hand Protection: Employee must wear appropriate chemically resistant gloves e.g., nitrile rubber gloves to prevent contact with this mixture.

Eye Protection: Wear a face shield when handling the concentrate and when applying the product. The use of safety goggles is recommended if a face shield is not used.

Skin and Body Protection: The use of protective (impervious) clothing e.g. coveralls is recommended to prevent skin contact with this mixture.

Emergency eyewash: Where there is any possibility that an employee's eyes may be exposed to this mixture; the employer should provide an eyewash fountain or appropriate alternative within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white granules.

Odour: Weak indeterminate odour.

pH (1% aqueous dilution): 9.1 - 9.5.

Melting point: Not available.

Freezing Point: Not available.

Boiling Point: Not available.

Flash Point: Not available.

Flammability: non-flammable.

Upper/lower explosion limits: Not available.

Vapour Pressure (mm Hg): Not available.

Relative Vapour Density: Not available.

Density/Relative density: 0.48 g/cm³

Solubility: Water dispersing.

n-octanol/water partition coefficient: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

10. STABILITY AND REACTIVITY

Chemical Stability: The product is stable for 2 years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50°C, preferably below 30°C, and not for prolonged periods in direct sunlight.

Reactivity: None known.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: May decompose at high temperature forming toxic gases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Calculated according to GHS

Oral LD₅₀ (24 h) rat > 14 600 mg/kg.

Dermal LD₅₀ (24 h) rat >3700 mg/kg.

Inhalation LC₅₀ (4 h) rat > 3,4 mg/l.

Skin Irritation/Corrosion: Causes skin irritation.

Eye Damage/Irritation: Causes serious eye damage.

Skin Sensitization: Not available.

Respiratory Sensitization: Not available.

Reproductive cell mutagenicity: Not available.

Carcinogenicity: Suspected of causing cancer.

Reproductive toxicity: Not available.

Specific target organ toxicity – single exposure: Not available.

Specific target organ toxicity – repeated exposure: Not available.

Aspiration hazard: Not available

Chronic Effects: Not available.

POTENTIAL ADVERSE EFFECTS:

Inhalation: Harmful if inhaled.

Skin contact: Due to the inerts, this product can cause skin irritation.

Eye contact: Due to the inerts, this product can cause serious damage to eyes.

Ingestion: May be harmful if swallowed.

VILLA TRIVIA 500 WDG

SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

This product is expected to be harmful to aquatic organisms with long lasting effects.

ECOTOXICITY DATA: Based on the active ingredient.

Pymetrozine.

Fish:

LC ₅₀ (96 h)	Rainbow trout, Sheepshead minnows & Common carp	>100 mg/ℓ.
-------------------------	---	------------

Daphnia:

LC ₅₀ (48 h)		87 mg/ℓ.
-------------------------	--	----------

Algae:

LC ₅₀ (72 h)	<i>Scenedesmus subspicatus</i>	47.1 mg/ℓ.
(5 d)	<i>Selenastrum capricornutum</i>	21.7 mg/ℓ.

Birds:

Acute oral LD ₅₀	Mallard ducks	>2000 mg/kg.
LC ₅₀ (8 d)	Bobwhite quail	>5200 ppm.

Bees:

(LD ₅₀ , mg/bee) (oral)		>117 mg/bee.
(48 h) (contact)		>200 mg/bee.

Worms:

LC ₅₀ (14 d)	<i>Eisenia foetida</i>	1098 mg/kg soil.
-------------------------	------------------------	------------------

Plants: The basic degradation steps are similar in all investigated crops; pymetrozine is the only relevant compound for residue definition.

ENVIRONMENTAL EFFECTS:

Animal: Extensively and rapidly absorbed (c. 90% in 24 h). Quickly and efficiently eliminated (mainly via excreta) and extensively metabolised in all species tested (rats, farm animals), without accumulation in most major animal food products. Metabolism is via oxidation of the methyl and triazine methylene, and cleavage between the triazine and pyridine rings. The metabolic pathways are similar for all species. Pymetrozine is the relevant residue for assessing the consumer exposure to treated animal food products.

Persistence and degradability: In soils, very rapidly and strongly adsorbed: K_f 3.1-47.7 ml/g o.c. (10 soils, mean 2245 ml/g o.c.); low mobility and low leaching potential. Soil DT₅₀ 2-69 d (field, 7 soils, median 14 d), DT₅₀ 55-288 d (field, 7 soils, median 185 d). Rapidly degraded in slightly acidic or sunlight-exposed surface water; DT₅₀ in surface water 5.2-6.6 d (lab., darkness, 2 water-sediment systems). Slightly volatile. In air, efficiently removed by direct photolysis and photo chemically induced oxidation.

Bio-accumulative Potential: Not determined.

Mobility in soil: Not determined.

Other adverse effects: Not determined.

13. DISPOSAL CONSIDERATIONS

Waste: Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product

cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Where possible, recycling is preferred for disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Container: Emptied containers retain dust and product residues. Do not re-use the empty container for any other purpose. Triple rinse empty containers by inverting the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of one third of that of the container. Add the rinsing's to the contents of the spray tank before recycling or destroying the container in the prescribed manner. Observe all labelled safeguards until container is destroyed.

14. TRANSPORT INFORMATION

UN Number: Not regulated.

Not classed i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail), ADR (road) and IMDG (sea).

Special/Environmental Precautions: None known.

Transport in bulk (according to MARPOL 73/78, Annex II and the IBC code): Not available.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

OHSA 1993 Regulations for Hazardous Chemical Substances.

Relevant information regarding restrictions: None.

EU regulation: Regulation EC1272/2008 (EU-GHS/CLP)

Other national regulations: None.

Chemical Safety Assessment carried out? No

16. OTHER INFORMATION

Packaging: Packed in 200, 250, 500 g & 1, 2, 2.5, 5, 10, 15, 20, 25, 50 and 100 kg plastic/foil containers/bags and labelled according to the South African regulations and guidelines.

Additional H statement(s) (formulants):

H302: Harmful if swallowed.

Disclaimer: The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the

VILLA TRIVIA 500 WDG

SAFETY DATA SHEET

handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

END OF DOCUMENT

Compiled: September 2017
Reviewed: March 2019
Revision no.: (3)
Next revision: March 2024

For detailed information on revisions, contact the Registration holder.