

VILLA SULGRAIN 800 WDG

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: SULGRAIN 800 WDG
 Fungicide & Insecticide
UN No. 1350
Supplier: Villa Crop Protection (Pty) Ltd.
 PO Box 10413
 Aston Manor, 1630, South Africa
Telephone: (011) 3962233
Fax: (011) 3964666
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. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Sulphur
Chemical Name: Sulphur
 (IUPAC)
CAS No.: 7704-34-9
Chemical Formula: S (Mol. wt.: 32.1)
Use: Fungicide, Insecticide and
 Acaricide
Formulation: Sulphur 800 g/kg
 Water Dispersible Granule
Hazardous components: Sulphur
EEC classification: X_n, X_i
RISK PHRASE(S): R 22, R36/37/38

3. HAZARD IDENTIFICATION

Toxicity class: WHO (a.i) U; EPA (formulation) IV;
Main Hazard: May cause skin & eye irritation. Acute toxic effect may include nausea, headache, diarrhoea upon ingestion of large quantities, or dermal irritation if exposed to skin.

Ingestion: Harmful if swallowed.

Inhalation: Irritating to the respiratory system.

Skin contact: May cause irritation to the skin.

Eye contact: Causes mild irritation to eyes.

4. FIRST AID MEASURES AND PRECAUTIONS

Inhalation: Remove source of contamination to open space / fresh air, maintain respiration.
Skin contact: Remove contaminated clothing, wash skin thoroughly.
Eye contact: Rinse eyes well with water for at least 15 minutes.
Ingestion: Seek medical advice.
Antidote: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Explosion sensitivity to static Electricity: Yes.
Corrosive Material: No.
Oxidizer: No.
Flammability LEL % V: Not pertinent.
UEL % V: Not pertinent.
Organic Peroxide: No.
Auto ignition temperature: No.
Explosion sensitivity to Impact: No explosive.
Flammable Material: Yes.
Pyrophoric Material: No.
Hazardous polymerization: No.
Fire fighting media: Fog, Foam, dry agent.
Special procedure: No.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Spills: Evacuate endangered area, cut off area. Take up in dry state without forming dust. If small amount, take up by mechanical means and dispose.
Waste Disposal method: Local regulations should be adhered to. Incineration in controlled furnace. Destroy the empty containers in a safe and authorised place. If burnt avoid inhalation of smoke (if burning permitted).
Never re-use empty packs.

7. HANDLING AND STORAGE REQUIREMENTS

Handling: Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes. Wash thoroughly after handling the product and change clothes. Do not eat, drink or smoke while handling the product. Keep out of reach of children, uninformed persons and animals. Observe all warnings and precautions listed for the product.

Storage: Store in the closed, original container in a well-ventilated area and as cool as possible. Do not store for long periods in direct sunlight.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT: If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal equipment including approved respiratory protection.

Respirator: An approved full-face respirator suitable for protection from mists of pesticides is required. Limitations of respirator use specified by the approving agency and the manufacturer must be observed. For decontamination clothes and equipment have soap and water on hand.

Clothing: Employee must wear appropriate protective (impervious) clothing and equipment to prevent skin contact with the substance.

Gloves: Employee must wear appropriate chemical resistant protective gloves to prevent contact with this substance.

Eye protection: Eyewash and washing facilities must be readily available.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown granules.
Physical state:	Solid.
Odour:	Odourless.
Solubility:	Completely soluble in water.
Melting point:	119 °C.
Bulk density:	Before compaction: 0.82. After compaction: 0.86.
Suspensibility:	80 %.
Wettability:	12 sec.
pH:	6.8.
Wet sieve test:	350 mesh Passes.

10. STABILITY AND REACTIVITY

Storage stability: Stable for up to 2 years when stored in a dry, cool covered warehouse in original, well-labelled containers. Store at low temperature conditions, below 50°C, preferably below 30 °C and not for prolonged periods in direct sunlight.

Chemical Stability: Stable under normal conditions. Store in the closed, original bag in a well-ventilated area and as cool as possible. Do not store for long periods in direct sunlight. Store in a cool, dry, well-ventilated place, away from food, seed and feeds.

Reactivity: None

Conditions to avoid: Heat, incompatibles, open flames and ignition sources.

Incompatibility: For reasons of phytotoxicity, mixing with oils should be avoided.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Acute Oral LD₅₀: > 5000mg/kg.

Acute Dermal LD₅₀: > 2000mg/kg.

Inhalation: >5430 mg/m³.

Eye contact: Slight irritant.

Skin contact: Slight irritant.

Skin sensitization: Not a sensitizer.

Mutagenic potential: Non mutagenic.

Reproductive hazard potential: No reproductive hazard.

Chronic / sub chronic toxicity studies: No risk of chronic toxicity.

Carcinogenic potential: Non carcinogenic.

Target organs: Eyes, skin, respiratory system.

12. ECOLOGICAL INFORMATION

Non toxic to bees, fish and wild life.

Daphnia: LC₅₀ (48h, static) : >665 mg/l

Bobwhite quail: LC₅₀ (8d) : >5000 ppm

Worms: LC₅₀ (8d): > 1600 mg/l

Algae: *Ankistrodesmus bibraianus* EC₅₀ (14d) : >232 mg/l

13. DISPOSAL CONSIDERATION

Contaminated absorbents, surplus product (in diluted form), etc., should be buried in approved landfill. Comply with any local legislation applying to waste disposal. Clean applicator with water after use or before using it for other chemicals. Dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.

Disposal of containers:

- bags must be completely emptied before being disposed of.
- shake out thoroughly into the application hopper before destroying the empty bag,
- **never** re-use the empty container for any other purpose.

Prevent contamination of food, feeds, drinking water and eating utensils.

- Destroy empty container and **never** use for any other purpose.

14. TRANSPORT INFORMATION

UN NUMBER: 1350

Road transport ADR/RID:

Class: 4.1

Packaging group: III

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Shipping name: **SULPHUR** (800 g/kg)
State of chemical: Solid

For detailed information on revisions, contact the Registration holder.

Maritime Transport IMDG/IMO:

Class: 4.1
Packing group: III
Shipping name: **Sulphur** (800 g/kg)

15. REGULATORY INFORMATION

Symbol: X_n, X_i
Indication of danger: Irritating & Harmful substance
Risk phrases:
R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin
Safety phrases:
S 2 Keep out of reach children.
S 13 Keep away from food, drink and animal feedingstuffs.
S 23 Do not breathe vapour/spray.
S 24/25 Avoid contact with skin and eyes.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 if swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Packaging: Packed in 20 & 25 kg multiwall paper bags / 1 kg cartons.

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 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.

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