

# Safety Data Sheet

according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

## 1 Identification

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS****Other Means of Identification:** Article**APVMA Approval Number:** 56413/102958**Recommended Use of the Chemical and Restriction on Use:**  
Post harvest preservative and fungicide for packaged table grapes**Details of Manufacturer or Importer:**Titan Ag Pty Ltd  
Princes Street Marina  
Suite 15/16 Princes Street  
Newport NSW 2106**Phone Number:** 02 9999 6655**Emergency telephone number:** 02 9999 6655

## 2 Hazard(s) Identification

**Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

This product is considered as article and is as such exempted from the UN-GHS classification requirements.  
The classification based on the hazardous substances contained in the product is provided below for information purposes only.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.



Health hazard

|                             |  |
|-----------------------------|--|
| Respiratory Sensitisation 1 | H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
| Carcinogenicity 2           | H351 Suspected of causing cancer.  |
| STOT RE 1                   | H372 Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure. Route of exposure: Oral, Inhalation. |



Corrosion

|              |                                 |
|--------------|---------------------------------|
| Eye Damage 1 | H318 Causes serious eye damage. |
|--------------|---------------------------------|



|                               |   |
|-------------------------------|---|
| Acute Toxicity (Inhalation) 4 | H332 Harmful if inhaled.                  |
| Skin Corrosion/Irritation 2   | H315 Causes skin irritation.              |
| Skin Sensitisation 1          | H317 May cause an allergic skin reaction. |

**Signal Word** Danger**Hazard Statements**H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS**

(Contd. of page 1)

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H372 Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.

**Precautionary Statements**

|                |  |
|----------------|--|
| P201           | Obtain special instructions before use.  |
| P202           | Do not handle until all safety precautions have been read and understood.  |
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.   |
| P264           | Wash thoroughly after handling.  |
| P270           | Do not eat, drink or smoke when using this product.  |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P284           | Wear respiratory protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P304+P340      | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER/doctor.   |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P321           | Specific treatment (see on this label).  |
| P314           | Get medical advice/attention if you feel unwell.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P342+P311      | If experiencing respiratory symptoms: Call a POISON CENTER/doctor.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations.                              |

**Supplementary (non-GHS) hazard statements recognised in Australia**

AUH031 Contact with acids liberates toxic gas.

**3 Composition and Information on Ingredients****Chemical Characterization: Mixtures****Description:** Sealed article**Hazardous Components:**

|                |   |        |
|----------------|---|--------|
| CAS: 7681-57-4 | Sodium metabisulphite   | 20-40% |
|                | ☠ Eye Damage 1, H318; ☠ Acute Toxicity (Oral) 4, H302   |        |
| CAS: 101-68-8  | Diphenylmethane diisocyanate  | 8-15%  |
|                | ☠ Acute Toxicity (Inhalation) 2, H330; ☠ Respiratory Sensitisation 1, H334; ☠ Carcinogenicity 2, H351; STOT RE 1, H372; ☠ Skin Corrosion/Irritation 2, H315; Eye Irritation 2A, H319; Skin Sensitisation 1, H317; STOT SE 3, H335 |        |

**Non Hazardous Components:**

|                |               |        |
|----------------|---------------|--------|
| CAS: 9002-88-4 | Polyethylene  | 35-70% |
| CAS: 9003-07-0 | Polypropylene | <15%   |

**4 First Aid Measures****Inhalation:**

If the inner contents of the pad are inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

(Contd. on page 3)

# Safety Data Sheet

according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS**

(Contd. of page 2)

**Skin Contact:**

In case of the pad inner contents skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation persists.

**Eye Contact:**

In case of the pad inner contents eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: The pad inner contents are harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure.

Skin Contact: The pad inner contents cause skin irritation. May cause an allergic skin reaction.

Eye Contact: The pad inner contents cause serious eye damage.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure.

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, oxides of sulfur and other unidentified potentially hazardous fumes.

Product is not flammable

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting entering drains or water courses.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

No special measures are necessary.

If the pad is damaged, wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Pick up large pieces and clean up the small pieces and dusts with a vacuum or by a wet sweeping technique. Do not use compressed air. Decontaminate spill area with water.

## 7 Handling and Storage

**Precautions for Safe Handling:**

No special precautions are necessary if used correctly.

If the pad is damaged, use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS**

(Contd. of page 3)

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Keep away from strong oxidising agents and acids.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 7681-57-4 Sodium metabisulphite**WES TWA: 5 mg/m<sup>3</sup>**CAS: 101-68-8 Diphenylmethane diisocyanate**

WES STEL: 0.07 mg/m<sup>3</sup>  
TWA: 0.02 mg/m<sup>3</sup>  
Sen; as -NCO

**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

**Respiratory Protection:**

Respiratory protection is not required under normal use conditions.

If the pad is damaged, wear approved particulate respirator (filter type P). At high dust levels, wear a powered air purifying respirator (PAPR) with P3 filter or an air-line respirator or a full-face P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

|   |                          |
|---|--------------------------|
| <b>Form:</b>                                | Solid                    |
| <b>Colour:</b>                              | White                    |
| <b>Odour:</b>                               | Characteristic           |
| <b>Odour Threshold:</b>                     | No information available |
| <b>pH-Value:</b>                            | Not applicable           |
| <b>Melting point/freezing point:</b>        | No information available |
| <b>Initial Boiling Point/Boiling Range:</b> | No information available |
| <b>Flash Point:</b>                         | Not applicable           |
| <b>Flammability (solid, gas):</b>           | Not flammable            |
| <b>Auto-ignition Temperature:</b>           | No information available |
| <b>Decomposition Temperature:</b>           | No information available |
| <b>Explosion Limits:</b>                    |                          |
| <b>Lower:</b>                               | No information available |
| <b>Upper:</b>                               | No information available |
| <b>Vapour Pressure:</b>                     | Not applicable           |
| <b>Relative Density:</b>                    | 1.2-1.3                  |
| <b>Vapour Density:</b>                      | Not applicable           |
| <b>Evaporation Rate:</b>                    | Not applicable           |

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS**

(Contd. of page 4)

**Solubility in Water:** No information available  
**Partition Coefficient (n-octanol/water):** No information available  
**Viscosity:** No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** No dangerous reactions known under conditions of normal use.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.

**Conditions to Avoid:** No further relevant information available.

**Incompatible Materials:** Strong oxidising agents and acids.

**Hazardous Decomposition Products:**

Oxides of carbon, oxides of sulfur and other unidentified potentially hazardous fumes.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values:**

**CAS: 7681-57-4 Sodium metabisulphite**

|      |      |                                       |
|------|------|---------------------------------------|
| Oral | LD50 | 1,540 mg/kg (Rattus norvegicus (rat)) |
|------|------|---------------------------------------|

**CAS: 101-68-8 Diphenylmethane diisocyanate**

|            |          |  |
|------------|----------|--|
| Oral       | LD50     | 2,200 mg/kg (Mus musculus (mouse))         |
|            |          | 9,200 mg/kg (Rattus norvegicus (rat))      |
| Inhalation | LC50/4 h | 0.368-0.559 mg/l (Rattus norvegicus (rat)) |

**Acute Health Effects**

**Inhalation:**

The pad inner contents are harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure.

**Skin:** The pad inner contents cause skin irritation. May cause an allergic skin reaction.

**Eye:** The pad inner contents cause serious eye damage.

**Ingestion:**

May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure.

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitisation:**

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:**

Suspected of causing cancer.

4,4'-Methylenediphenyl diisocyanate, polyethylene and polypropylene are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS**

(Contd. of page 5)

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Causes damage to lungs, the blood, the nervous system and the hematopoietic system through prolonged or repeated exposure. Route of exposure: Oral, Inhalation

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** No data associated with long term health effects.

**Existing Conditions Aggravated by Exposure:** No data available.

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**CAS: 7681-57-4 Sodium metabisulphite**

|           |   |
|-----------|---|
| EC50/48 h | 89 mg/l (Daphnia magna (water flea))            |
| EC50/72 h | 48 mg/l (Scenedesmus subspicatus (green algae)) |

**CAS: 101-68-8 Diphenylmethane diisocyanate**

|           |  |
|-----------|--|
| EC50/24 h | >1,000 mg/l (Daphnia magna (water flea)) |
| EC50/3 h  | >100 mg/l (Activated sludge)             |
| LC50/96 h | >1,000 mg/l (Danio rerio (zebra fish))   |

**Persistence and Degradability:** No data available on finished product.

**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.

**Mobility in Soil:** No data available on finished product.

**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

**UN Number** Not regulated

**Proper Shipping Name** Not regulated

**Dangerous Goods Class** Not regulated

**Packing Group:** Not regulated

## 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All ingredients are listed.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**

Not a scheduled poison.

**Australian Pesticides and Veterinary Medicines Authority:**

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA approval number 56413/102958.

(Contd. on page 7)

# Safety Data Sheet

according to WHS Regulations

Print date: 20.02.2024

Revision date: 20.02.2024

**Product Name: FRESCA SULPHUR TABLE GRAPE PROTECTION PADS**

(Contd. of page 6)

## 16 Other Information

**Date of Preparation or Last Revision:** 20.02.2024**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Acute Toxicity (Inhalation) 2: Acute toxicity – Category 2

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Respiratory Sensitisation 1: Respiratory sensitisation, Hazard Category 1

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”.

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