

# Safety Data Sheet

according to WHS Regulations

Print date: 22.08.2023

Revision date: 22.08.2023

## 1 Identification

**Product Name: Stalosan F**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Disinfectant

**Details of Manufacturer or Importer:**

Quadrant Farming Solutions Pty Ltd  
10 Feathertail Place  
Peregian Springs, QLD 4573

**Phone Number:** 0429 500 529

**Emergency telephone number:** 0429 500 529

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

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.



Eye Irritation 2A H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

**Signal Word** Warning

**Hazard Statements**

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

CAS: 7720-78-7	Iron(II) sulfate ⚠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Eye Irritation 2A, H319	1-5%
CAS: 7758-99-8	Copper sulfate pentahydrate ⚠ Eye Damage 1, H318; ⚠ Aquatic Chronic 1, H410 (M=1); ⚠ Acute Toxicity (Oral) 4, H302	1-2%
CAS: 127-65-1	Tosylchloramide sodium ⚠ Respiratory Sensitisation 1, H334; ⚠ Skin Corrosion/Irritation 1B, H314; ⚠ Acute Toxicity (Oral) 4, H302; Skin Sensitisation 1, H317	0.1-0.5%

(Contd. on page 2)

# Safety Data Sheet

according to WHS Regulations

Print date: 22.08.2023

Revision date: 22.08.2023

**Product Name: Stalosan F**

(Contd. of page 1)

CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )	0.1-0.5%
	⚠ Carcinogenicity 1A, H350i; STOT RE 1, H372	
<b>Non Hazardous Components:</b>		
CAS: 7778-18-9	Calcium sulfate	25-50%
CAS: 1332-58-7	Kaolin	10-15%
CAS: 1309-37-1	Iron(III) oxide	1-5%

**Additional information:**

This product may contain small quantities of respirable quartz present as an impurity in the ingredients. Respirable crystalline silica is a known carcinogen and can cause serious lung damage. Exposure to this product is not likely to cause harm under normal conditions, but it is recommended to determine the actual exposure through workplace testing.

## 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

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

**Eye Contact:**

In case of 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 medical attention if irritation persists.

**Ingestion:**

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

**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

## 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.

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.

Prevent 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:**

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions:**

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

(Contd. on page 3)

# Safety Data Sheet

according to WHS Regulations

Print date: 22.08.2023

Revision date: 22.08.2023

**Product Name: Stalosan F**

(Contd. of page 2)

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

Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

## 7 Handling and Storage

**Precautions for Safe Handling:**

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.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from moisture. Keep away from acids, reducing agents, powdered metals, ammonium salts, strong oxidising agents and bases.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 7778-18-9 Calcium sulfate**

WES	TWA: 10 mg/m <sup>3</sup> inhalable dust
-----	---

**CAS: 1332-58-7 Kaolin**

WES	TWA: 10 mg/m <sup>3</sup> inhalable dust
-----	---

**CAS: 1309-37-1 Iron(III) oxide**

WES	TWA: 5 mg/m <sup>3</sup>
-----	--------------------------

**CAS: 7720-78-7 Iron(II) sulfate**

WES	TWA: 1 mg/m <sup>3</sup> as Fe
-----	-----------------------------------

**Engineering Controls:**

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

**Respiratory Protection:**

Where an inhalation risk exists, wear approved particulate respirator (filter type P2). 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:**

Protective 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.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Print date: 22.08.2023

Revision date: 22.08.2023

Product Name: Stalosan F

(Contd. of page 3)

## 9 Physical and Chemical Properties

**Appearance:**

Form:	Powder
Colour:	Pink
Odour:	Slightly acidic
Odour Threshold:	No information available
pH-Value:	3.62 (1% aq.)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability (solid, gas):	Product is not flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	0.908 - 0.913
Vapour Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water:	Slightly soluble
Partition Coefficient (n-octanol/water):	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:** Moisture. Water.

**Incompatible Materials:**

Acids, reducing agents, powdered metals, ammonium salts, strong oxidising agents and bases.

**Hazardous Decomposition Products:** Oxides of carbon.

## 11 Toxicological Information

**Toxicity:**

<b>LD50/LC50 Values:</b>	
<b>CAS: 1332-58-7 Kaolin</b>	
Oral	LD50 >5,000 mg/kg (Rattus norvegicus (rat))
<b>CAS: 1309-37-1 Iron(III) oxide</b>	
Oral	LD50 >15,000 mg/kg (Rattus norvegicus (rat))
<b>CAS: 7720-78-7 Iron(II) sulfate</b>	
Oral	LD50 319 mg/kg (Rattus norvegicus (rat))
<b>CAS: 7758-99-8 Copper sulfate pentahydrate</b>	
Oral	LD50 482 mg/kg (Rattus norvegicus (rat))
Dermal	LD50 >2,000 mg/kg (Rattus norvegicus (rat))
<b>CAS: 127-65-1 Tosylchloramide sodium</b>	
Oral	LD50 935 mg/kg (Rattus norvegicus (rat))

**Acute Health Effects**

**Inhalation:** May cause respiratory irritation.

**Skin:** May cause skin irritation.

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Print date: 22.08.2023

Revision date: 22.08.2023

**Product Name: Stalosan F**

(Contd. of page 4)

**Eye:** Causes serious eye irritation.**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Based on classification principles, the classification criteria are not met.**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.

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

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

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

## 12 Ecological Information

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

Harmful to aquatic life with long lasting effects.

**CAS: 1332-58-7 Kaolin**

LC50/48 h &gt;1,100 mg/l (Daphnia magna (water flea))

**CAS: 7720-78-7 Iron(II) sulfate**

EC50/48 h &lt;140 mg/l (Daphnia magna (water flea))

LC50/96 h 1.1-4.8 mg/l (Salvelinus fontinalis (brook trout))

**CAS: 7758-99-8 Copper sulfate pentahydrate**

EC50/48 h 0.02 mg/l (Daphnia magna (water flea))

EC50/72 h 0.02 mg/l (Algae)

LC50/96 h 0.11 mg/l (Oncorhynchus mykiss (rainbow trout))

**CAS: 127-65-1 Tosylchloramide sodium**

EC50/48 h &gt;0.22 mg/l (Daphnia magna (water flea))

LC50/96 h 1.1-4.8 mg/l (Oncorhynchus mykiss (rainbow trout))

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

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Print date: 22.08.2023

Revision date: 22.08.2023

**Product Name: Stalosan F**

(Contd. of page 5)

### 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.

### 16 Other Information

**Date of Preparation or Last Revision:** 22.08.2023**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

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

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 1A: Carcinogenicity – Category 1A

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

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

#### 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”.

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Quadrant Farming Solutions Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.