

Safety Data Sheet in accordance with HSNO

Date of issue: 20.08.2025

Version number 1.0

Revision: 20.08.2025

SECTION 1: Identification of the substance or mixture and of the supplier

· **1.1 Product identifier**

· **Trade name:** MONCEREN FS

· **Article number:** New Zealand6

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

· **Sector of Use** Agriculture use

· **Application of the substance / the mixture** Agricultural fungicide, Seed treatment

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Gowan Crop Protection Limited

Rothamsted Research,

West Common,

Harpenden,

Hertfordshire,

England

AL5 2JQ

Tel +44 0 1582 280390

Distributed by :

Agritrade

1 Robin Place

Christchurch Airport

Christchurch 8053

Tel 0800 333 855

· **Further information obtainable from:** sds@gowanco.com

· **1.4 Emergency telephone number:**

Chemtrec Emergency Telephone 24 - Hours: (Auckland) +64 980 10034

Outside New Zealand: +1 703 527-3887

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Specific target organ toxicity - repeated exposure
Category 2

H373 May cause damage to organs through
prolonged or repeated exposure.



GHS09 environment

Hazardous to the aquatic environment chronic
Category 2

H411 Toxic to aquatic life with long lasting effects.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS08 GHS09

· **Signal word** Warning· **Hazard statements**

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P103 Read carefully and follow all instructions.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

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

· **Additional information:**

EUH208 Contains 1,2-benzisothiazolin-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1). May produce an allergic reaction.

EUH401 To avoid risks to people and the environment, follow the instructions for use.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

SECTION 3: Composition/Information on ingredients

· **3.2 Mixtures**· **Description:** Mixture of substances listed below with non hazardous additions.· **Dangerous components:**

CAS: 66063-05-6 EINECS: 266-096-3 Index number: 616-220-00-0	pencycuron (ISO) Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 1, H410	>25-≤50%
CAS: 56-81-5 EINECS: 200-289-5 RTECS: MA 8050000	glycerol substance with a Community workplace exposure limit	≤2.5%

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CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazolin-3-one  Acute inhalation toxicity Category 2, H330;  Serious eye damage Category 1, H318;  Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 1, H410;  Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Skin sensitisation Sub-category 1A, H317	$\geq 0.036 - < 0.1\%$
CAS: 55965-84-9 Index number: 613-167-00-5	5-chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone  Acute oral toxicity Category 3, H301; Acute dermal toxicity Category 2, H310; Acute inhalation toxicity Category 2, H330;  Skin corrosion Category 1B, H314; Serious eye damage Category 1, H318;  Hazardous to the aquatic environment acute Category 1, H400 (M=100); Hazardous to the aquatic environment chronic Category 1, H410 (M=100);  Skin sensitisation Category 1, H317	$\geq 0.0015 - < 0.0025\%$

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:**

Remove contaminated clothing immediately and dispose of safely. Move out of dangerous area. Place and transport victim in stable position (lying sideways).

· **After inhalation:**

Remove patient to fresh air and keep warm and rest. If breathing is irregular or stopped, administer artificial respiration and seek medical attention.

· **After skin contact:**

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

· **After eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. After the first 5 minutes remove the contact lenses, if present, and continue rinsing the eye. Consult a doctor if irritation appears and persists.

· **After swallowing:**

Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

SECTION 5: Fire fighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Hydrogen chloride (HCl)

Hydrogen cyanide (HCN)

Carbon monoxide (CO)

Nitrogen oxides (NO_x)

During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters

· **Protective equipment:**

Wear self-contained respiratory protective device.

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Mouth respiratory protective device.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Store in a cool, dry, well-ventilated area.
 - **Information about storage in one common storage facility:**
Do not ship or store near food, feed, seed and fertilizers.
 - **Further information about storage conditions:**
Keep only in the original container.
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 56-81-5 glycerol

WES (New Zealand)	Long-term value: 10 mg/m ³ mist
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· **Regulatory information**

WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
 - **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Store protective clothing separately.

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· Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Chemical-resistant gloves.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

Permeation Time > 480 min.

Thickness: > 0.4 mm

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection



Tightly sealed goggles

· Body protection:

Wear standard coveralls and Category 3 Type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Liquid
· Colour:	Red
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	197 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	3.2 Vol %
· Upper:	53 Vol %
· Flash point:	111 °C
· Auto-ignition temperature:	410 °C
· Decomposition temperature:	Not determined.

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· pH at 20 °C	7-9 (1% aqueous dispersion)
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Dispersible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	0.1 hPa
· Density and/or relative density	
· Density at 20 °C:	1.09 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Particle characteristics	Not applicable.
· 9.2 Other information	
· Appearance:	
· Form:	Suspension
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	1.0 %
· Water:	53.6 %
· Solids content:	66.7 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
 - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid Heat, flames and sparks. Avoid direct sunlight.
- 10.5 Incompatible materials: No further relevant information available.

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- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50/4 h	>0.519 mg/l (rat)

- **Germ cell mutagenicity** Based on available data, the product is not cell mutagenic.
- **Carcinogenicity** Based on available data, the product is not a carcinogen.
- **Reproductive toxicity**
Pencycuron caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Pencycuron is related to parental toxicity.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

LC50 (*Oncorhynchus mykiss* (rainbow trout)) > 120 mg/l

Exposure time: 96 h

EC50 (*Daphnia magna* (Water flea)) 19.5 mg/l

Exposure time: 48 h

NOEC (*Daphnia* (water flea)): 0.0992 mg/l

Exposure time: 21 d

The value mentioned relates to the active ingredient.

EC50 (*Desmodesmus subspicatus* (green algae)) > 120 mg/l Growth rate;

Exposure time: 72 h

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** Pencycuron: Not rapidly biodegradable

- **12.3 Bioaccumulative potential**

Pencycuron: Bioconcentration factor (BCF) 226

Does not bioaccumulate.

- **12.4 Mobility in soil**

Data referred to Pencycuron (CAS n. 66063-05-6):

immobile in soil

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Based on the values of DT50 in soil and BCF the substance is not considered to be PBT.

- **vPvB:** Based on the values of DT50 in soil and BCF the substance is not considered to be vPvB.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Uncleaned packaging:

Recommendation:

Triple rinse containers. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number

NZS, IMDG, IATA

UN3082

14.2 UN proper shipping name

NZS

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pencycuron (ISO))

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pencycuron (ISO)), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pencycuron (ISO))

14.3 Transport hazard class(es)

NZS, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group

NZS, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

Symbol (fish and tree)

Special marking (NZS):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Stowage Category

A

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

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· Transport/Additional information:

· NZS

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

- Transport category

3

- Tunnel restriction code

(-)

· IMDG

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PENCYCURON (ISO)), 9, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Marketing authorisation number:

- New Zealand Inventory of Chemicals

All ingredients are listed.

- HSNO Approval numbers

None of the ingredients is listed.

· Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the components is listed
 - Seveso category E2 E1 Hazardous to the Aquatic Environment
 - Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
 - Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

- Department issuing SDS: Product Safety (EC)

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· **Contact:** sds@gowanco.com· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute oral toxicity Category 3: Acute toxicity – Category 3

Acute oral toxicity Category 4: Acute toxicity – Category 4

Acute inhalation toxicity Category 2: Acute toxicity – Category 2

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

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

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

Skin sensitisation Category 1: Skin sensitisation – Category 1

Skin sensitisation Sub-category 1A: Skin sensitisation – Category 1A

Specific target organ toxicity - repeated exposure Category 2: Specific target organ toxicity (repeated exposure) – Category 2

Hazardous to the aquatic environment acute Category 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Hazardous to the aquatic environment chronic Category 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Hazardous to the aquatic environment chronic Category 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**

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