



Dependable Precision

Material Safety Data Sheet 14/12/2023, Rev.1

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation(EU) No. 2020/878

SECTION 1 Identification of the substance/mixture and of the company

1.1. Product identifier

Product name: Excision Fungicide
Type of product: Biocidal product for industrial use.
Code n°: 84625

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

1.3. Details of the supplier of the safety data sheet

Manufacturer: Excision
Address: 35 Peck Street, Hamilton VIC 3300 Australia
Tel: +61 (0)3 5551 4555
Fax: Not Available
E-mail: info@excision.com.au








1.4. Emergency telephone number

Tel: +61 (0)3 5551 4555

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EU) No. 1272/2008~2022/692 (CLP):

-  Acute Tox. 3 H301 Toxic if swallowed.
-  Acute Tox. 3 H331 Toxic if inhaled.
-  Skin Corr. 1B H314 Causes severe skin burns and eye damage
-  Eye Dam. 1 H318 Causes serious eye damage
-  Aquatic Acute 1 H400 Very toxic to aquatic life.
-  Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
-  Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2. Label elements

Symbols:



Signal word

Danger

Hazard statement(s):

H301 Toxic if swallowed.

H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.



Dependable Precision

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements:

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Information pertaining to particular dangers for man and environment

· Safety Phrases: S-Phrases are listed in section 15.

2.3. Other hazards

Other hazards have not been identified for this product.

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable (substance).

3.2. Mixtures

Dangerous substances according to CLP Regulation and corresponding classification:

ca. 46.5% CAS: 26530-20-1, 2-Octyl-2H-isothiazol-3-one



Acute Tox. 3, H311; Acute Tox. 3, H331



Skin Corr. 1B, H314; Eye Dam. 1, H318



Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)



Skin Sens. 1A, H317

Additional information:

Hazard statements see section 16.

SECTION 4 First aid measures

4.1. Description of first aid measures

- Note: Personal protection for the First Aider.
- After inhalation: Supply fresh air; consult doctor in case of symptoms.
- After skin contact: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.



Dependable Precision

If skin irritation or rash occurs: Get medical advice/attention.

· After eye contact:

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

Consult an eye specialist immediately.

· After swallowing:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Bring vomiting person into recovery position.

Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Allergic skin reactions.

Corrosive damage to gastro-intestinal tract.

· Information for doctor: Probable mucosal damage may contraindicate the use of gastric lavage.

· Danger Danger of gastric perforation.

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

If swallowed or in case of vomiting, danger of entering the lungs.

If swallowed, gastric irrigation with activated carbon.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Rinse eyes thoroughly with physiological saline.

SECTION 5 Firefighting measures

5.1. Extinguishing media

· Suitable extinguishing agents: Water spray jet, extinguishing powder, CO₂, foam.

· Unsuitable extinguishing agents for reasons of safety: None

· Emergency Action Code / Hazchem-Code: 2X

5.2. Special hazards arising from the substance or mixture

In case of fire, toxic incineration products may be released such as:

Nitrogen oxides (NO_x)

Sulphur dioxide (SO₂)

Carbon monoxide (CO)

5.3. Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire fighting water separately. It must not enter drains.



Dependable Precision

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn.

6.2. Environmental precautions

As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water.

Dam and absorb spillage with chemical binder. Inform authorities in case of contamination of water or sewage system.

6.3. Methods and material for containment and cleaning up

Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically. Suitable binder: multi-purpose absorbent.

Dispose of contaminated material as waste according to item 13.

Decontamination: Polluted surfaces can be decontaminated with a solution containing 5% sodium bisulphite and 5% sodium bicarbonate. Provide adequate ventilation.

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Load carefully, avoid splashes.

Provide good room ventilation or local exhaust ventilation at the workplace.

Handle product in closed systems preferably.

Avoid pollution of the air at the workplace, caused e. g. by aerosol formation or by product heating. Clean contaminated work equipment immediately to avoid skin corrosion/-irritation and/or allergic skin reactions in case of unconscious skin contact. Risks to the safety and health of workers may not only be created by work involving chemicals but, inter alia by work equipment and the fitting-out of work-places. Those risks shall be identified and evaluated.

· Information about protection against explosion and fire: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

· Requirements to be met by storerooms and containers:

Should be stored in the delivery-container preferably.

Information about suitable materials for vessels and piping can be requested from our sales department Tel.: +44(0)1606 818800.



Dependable Precision

- Information about storage in a common storage facility:
Store away from oxidising agents.
Store away from foodstuffs.
- Further information about storage conditions:
Keep containers tightly sealed.
Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures.
- Recommended storage temperature: 15-30° C
- Sensitivity against UV-radiation and heat: Protect from heat and direct sunlight.

7.3. Specific end use(s)

No particular uses

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Components with critical values that require monitoring at the workplace:
26530-20-1 2-Octyl-2H-isothiazol-3-one
MAK (Germany): 0.05 E mg/m³ H, Y; DFG
Additional information: Information valid at the time of review of safety data sheet.

8.2. Exposure controls

Technical protective equipment:

In case of contamination devices to rinse eyes or skin immediately under running water must be available.

- Personal protective equipment
- General protective and hygienic measures:

Do not breathe mist/vapours/spray.

Avoid contact with the eyes and the skin.

Wash hands during work breaks and at the end of the shift.

Use skin cream for skin protection.

Provide skin protection plan.

- Respiratory protection:

Use respiratory equipment if the OEL is exceeded.

Respirator with filter for use against organic gases and vapours, boiling point above 65 °C and particles (EN 14387).

- Hand protection:

Chemical protective gloves (EN ISO 374-1:2016)

Check the condition of protective gloves after each use for any damages like holes, cuts or tears.

Do not wear protective gloves longer than necessary.

After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves Nitrile rubber, NBR



Dependable Precision

· Penetration time of glove material:

Thickness: 0.4 mm; break-through time: 480 min; material: Nitrile; permeation: level 6

· Gloves made of the following materials are not suitable:

Gloves for mechanical protection do not provide protection against chemicals.

· Eye protection:

Face shield/visor (EN 166:2001)

Use visor in combination with goggle.

Body protection

Protective clothing (EN ISO 13688:2013)

Apron

Full head, face and neck protection

· Risk management measures

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value
Appearance and color:	Transparent liquid, yellow
Smell:	Sweetish
Odor threshold:	N.D.
pH(10g/l):	4.7 (OECD 122 - S 3609) The neat product is a non-aqueous system. Therefore a determination of the pH value is technically not possible.
Melting point / freezing point:	N.A.
Initial point and boiling range:	>188°C
Flash point;	>104°C
Evaporation rate:	N.D.
Flammability (solid / gas);	N.A.
Upper / lower limit of flammability or explosiveness	2.4 Vol % (CAS: 57-55-6) 12.6 Vol % (CAS: 57-55-6)
Vapor pressure:	0.000031 hPa (OIT)
Vapor density:	N.D.
Density (20°C):	1.02-1.04 g/cm ³
Solubility (s);	Partly miscible
Solubility in oil:	N.D.
N-octanol / water partition coefficient;	N.D.



Dependable Precision

Spontaneous ignition temperature	N.D.
Decomposition temperature:	N.D.
Viscosity:	N.D.
Explosive properties:	Product is not explosive. However, formation of explosive air/gas mixtures is possible.
Combustive properties:	N.D.
Particle characteristics:	
Particle size:	-

9.2. Additional information

SECTION 10 Stability and reactivity

10.1. Reactivity

The classification criteria for the property "corrosive to metals" according to Annex I section 2.16 CLP Regulation resp. the UN Regulations for the transport of dangerous goods, class 8, are not fulfilled. (S 4397)

For information about suitable materials for vessels and piping see section 7.2 (Requirements to be met by storerooms and containers).

10.2. Chemical stability

Conditions to be avoided:

Before handling, the product should not be diluted or mixed with other chemicals, in order to avoid any negative influences on the ingredient(s).

- Minimum shelf life: 24 months from production date

10.3. Possibility of hazardous reactions

No dangerous reactions known

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

Oxidizing agents

Amines

10.6. Hazardous decomposition products

None, if storage and handling is done according to specification



Dependable Precision

SECTION 11 Toxicological information

11.1. Information on toxicological effects

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

Acute toxicity estimates (ATE) or LD₅₀/LC₅₀ values:

Oral	LD ₅₀	279 mg/kg (rat) (OECD 401) S 80
Dermal	LD ₅₀	>2,000 mg/kg (rat) (EPA FIFRA 81-2) S 77
Inhalative	LC ₅₀ / 4 h, dusts and mists	0.6 mg/l (rat) (EPA FIFRA 81-3) S 78

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

· Serious eye damage/irritation:

Causes serious eye damage.

Sensitisation:

May cause an allergic skin reaction.

Results of studies:	
26530-20-1 2-Octyl-2H-isothiazol-3-one	
OECD 429	(mouse) sensitising - S 526

- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12 Ecological information

12.1. Toxicity

Aquatic toxicity:	
EC ₅₀ / 48 h	0.9 mg/l (Daphnia) (OECD 202) S 95 (b)
LC ₅₀ / 96 h	0.08 mg/l (rainbow trout) (OECD 203) S 93 (b)
IC ₅₀ / 72 h	0.18 mg/l (Desmodesmus subspicatus) (OECD 201) S 63 (b)
26530-20-1 2-Octyl-2H-isothiazol-3-one	
EC ₅₀ / 72 h	0.084 mg/l (Desmodesmus subspicatus) (OECD 201) S 63
EC ₅₀ / 48 h	0.42 mg/l (Daphnia) (OECD 202) S 95
LC ₅₀ / 96 h	0.036 mg/l (rainbow trout) (OECD 203) S 93
NOEC / 21 d	0.002 mg/l (Daphnia) (OECD 211) S 96
NOEC / 28 d	0.022 mg/l (rainbow trout) (OECD 210) S 159
NOEC / 72 h	0.004 mg/l (Algae) (OECD 201) S 63

Evaluation:

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.



Toxicity on activated sludge organisms	
26530-20-1 2-Octyl-2H-isothiazol-3-one	
EC ₂₀ / 0.5 h	10.4 mg/l (Activated Sludge) (TTC-Test (8901 Macherey-Nagel))
EC ₂₀ / 3 h	7.3 mg/l (Activated Sludge) (OECD 209)

Evaluation: Depending on concentration, toxic effects on activated sludge organisms are possible.

12.2. Persistence and degradability

Degree of elimination

Rapid degradability of organic substances	
26530-20-1 2-Octyl-2H-isothiazol-3-one	
OECD 309 Simulation Biodegradation - Surface Water	0.6-1.4 d (half-life)
OECD 309 Simulation Biodegradation - Sea Water	1.6-2.1 d (half-life) (OECD 309 Simulation Biodegradation - Surface Water)

Evaluation: The component(s) is (are) rapidly degradable

Behaviour in sewage treatment plants:	
26530-20-1 2-Octyl-2H-isothiazol-3-one	
OECD 303 A: Activated Sludge Units	>83 % (Activated Sludge)

Evaluation: The component(s) is (are) biodegradable in activated sludge units.

12.3. Bioaccumulative potential

BCF / LogKow:	
26530-20-1 2-Octyl-2H-isothiazol-3-one	
OECD 117 Log Kow Partition Coefficient	2.92 (n-octanol/water) S 323

Evaluation: Not worth-mentioning accumulating in organisms

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

PBT: This mixture does not contain substances that meet the PBT-criteria of REACH, annex XIII.

vPvB: This mixture does not contain substances that meet the vPvB-criteria of REACH, annex XIII

12.6. Other adverse effects

None

12.7. Additional information

Metals and their compounds (Directive 2006/11/EC): None



- European Water Framework Directive (2000/60/EC):
The product does not contain any priority substances according WFD that require a water monitoring.
- Absorbable organic halogen compounds (AOX - DIN EN ISO 9562 H 14):
The product does not contain substances, which can influence the AOX of waste water.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Recommendation Hazardous waste. Separate waste disposal to be applied.
- Contaminated packaging:
 - Recommendation: Packaging can be reused or recycled after cleaning.
Cleaning liquid can be fed to a biological wastewater treatment plant.
 - Recommended cleaning agent: The solvent used when processing the product.

SECTION 14 Transport information

14.1. UN number or ID number
UN2922

14.2. UN proper shipping name
CORROSIVE LIQUID, TOXIC, N.O.S. (2-Octyl-2H-
isothiazol-3-one), ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)
8 (6.1)

14.4. Packing group
II

14.5. Environmental hazards
Yes

14.6. Special precautions for user
N.A.

14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15 Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents during work)
 - Dir 2000/39/EC (Occupational Exposure Limits)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (UE) n. 758/2013
 - Regulation (UE) n. 2020/878



Dependable Precision

Regulation (UE) n. 286/2011 (ATP 2 CLP)
Regulation (UE) n. 618/2012 (ATP 3 CLP)
Regulation (UE) n. 487/2013 (ATP 4 CLP)
Regulation (UE) n. 944/2013 (ATP 5 CLP)
Regulation (UE) n. 605/2014 (ATP 6 CLP)
Regulation (UE) n. 2015/1221 (ATP 7 CLP)
Regulation (UE) n. 2016/918 (ATP 8 CLP)
Regulation (UE) n. 2016/1179 (ATP 9 CLP)
Regulation (UE) n. 2017/776 (ATP 10 CLP)
Regulation (UE) n. 2018/669 (ATP 11 CLP)
Regulation (UE) n. 2018/1480 (ATP 13 CLP)
Regulation (UE) n. 2019/521 (ATP 12 CLP)
Regulation (UE) n. 2020/217 (ATP 14 CLP)
Regulation (UE) n. 2020/1182 (ATP 15 CLP)
Regulation (UE) n. 2021/643 (ATP 16 CLP)
Regulation (UE) n. 2021/849 (ATP 17 CLP)
Regulation (UE) n. 2022/692 (ATP 18 CLP)

Restrictions relating to the product or contained substances according to Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments:
None.

Where applicable, refer to the following standards:

Directive 2012/18/EU (Seveso III).
Regulation (EC) No 648/2004 (detergents).
Dir.2004/42/CE (directive COV)
Provisions on EU Directive 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1.
None

15.2. Chemical safety assessment : None

SECTION 16 Other information

This document has been prepared by a competent person who has received adequate training

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinhold

CCNL - Allegato 1 "TLV of 1989-90"

Indicate additional literature consulted

The information contained here is based on our knowledge at the date indicated above. It refers solely to the product indicated and constitutes no guarantee of particular quality. The user must ensure the adequacy and accuracy of this information in relation to the specific use of the product should do.

This MSDS cancel and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS = Chemical Abstracts Service (American Chemical Society).



Dependable Precision

CLP: Classification, labeling, packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ETA: Estimation of acute toxicity

ETAmix: Estimation of acute toxicity (mixtures)

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of classification and labeling of chemicals.

IATA: International Air Transport Association.

IATA-DGR: Standards applied to dangerous goods by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation.

ICAO-TI: Technical Instructions "Organization International Civil Aviation" (ICAO).

IMDG: International Maritime Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KST: coefficient explosion.

LC50: Lethal concentration for 50% of the exposed population.

LD50: Lethal dose for 50% of the exposed population.

LTE: Long-term exposure.

PNEC: predicted no effect concentration

RID: Regulations concerning the international carriage of dangerous goods by rail.

STE: Short-term exposure.

STEL: level of short-term exposure.

STOT: Specific target organ toxicity.

TLV: Threshold Limit Value.

TWATLV: threshold limit value time weighted average of eight hours per day (Standard ACGIH).

WGK: Hazard class for water (Germany).