



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 Biocide Fast  
Type of product: Biocidal product for industrial use.  
Code n°: 84623

#### 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](mailto: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):

-  Skin Corr. 1C 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):

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

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.

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.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage.

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.

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## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable (substance).

### 3.2. Mixtures

Dangerous substances according to CLP Regulation and corresponding classification:

1-3% CAS: 7631-99-4 SODIUM NITRATE

 Ox. Sol. 3, H272

 Eye Irrit. 2, H319

CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

 Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330

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

 Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100)

 Skin Sens. 1A, H317

Additional information:

The CAS No. of the single components are: CIT: 26172-55-4; MIT: 2682-20-4

Hazard statements see section 16.



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### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

Note: Personal protection for the First Aider.

After inhalation:

Supply fresh air.

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.

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

#### 4.2. Most important symptoms and effects, both acute and delayed

Allergic skin reactions.

Skin reaction like itching, reddening, blistering may appear after hours.

Skin contact may lead to painful and bad healing wounds.

· 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, gastric irrigation with activated carbon.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Rinse eyes thoroughly with physiological saline.

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### SECTION 5 Firefighting measures

#### 5.1. Extinguishing media

· Suitable extinguishing agents: Water spray jet, extinguishing powder, CO<sub>2</sub>, 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<sub>x</sub>)

Sulphur dioxide (SO<sub>2</sub>)

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.

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## 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.

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.

In case of a spill drained to the sewer collect contaminated water in suitable container and add 10% sodium bisulfite solution. Contact supplier for further instructions.

### 6.4. Reference to other sections

See sections 8 and 13.

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## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

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 storage in a common storage facility: none
- Further information about storage conditions:

Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures.

- Sensitivity against UV-radiation and heat: Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

No particular uses

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## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

Components with critical values that require monitoring at the workplace: None established.

- 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:

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: Not required
- 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
- Penetration time of glove material:

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



## Dependable Precision

- 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)  
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, colourless to pale yellow
Smell:	Characteristic
Odor threshold:	N.D.
pH:	3.0-4.0
Melting point / freezing point:	N.A.
Initial point and boiling range:	100°C
Flash point;	N.D.
Evaporation rate:	N.D.
Flammability (solid / gas);	N.A.
Upper / lower limit of flammability or explosiveness	N.D.
Vapor pressure:	23 mbar (H <sub>2</sub> O)
Vapor density:	N.D.
Density (20°C):	1.0 g/cm <sup>3</sup>
Solubility (s);	Soluble
Solubility in oil:	N.D.
N-octanol / water partition coefficient;	N.D.
Spontaneous ignition temperature	N.D.
Decomposition temperature:	N.D.
Viscosity: dynamic at 20 °C: kinematic at 20 °C:	1.32 mPas (OECD 114 - S 4159) 1.26 mm <sup>2</sup> /s (OECD 114 - S 4159)
Explosive properties:	N.D.
Combustive properties:	N.D.



Particle characteristics:

Particle size:	-
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### 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 4274)

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: 18 months from production date, if stored at a temperature of about 20°C.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

Alkalis (lyes)

Reducing agents

Strong oxidising agents

Nucleophils

### 10.6. Hazardous decomposition products

None, if storage and handling is done according to specification

## 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 LD<sub>50</sub>/LC<sub>50</sub> values:

Oral	LD <sub>50</sub>	> 2,000 mg/kg (rat) (OECD 401) S 33 (b)
Dermal	LD <sub>50</sub>	> 5,000 mg/kg (rat) (OECD 402) S 31 (b)

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:	
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]	
OECD 406	(Guinea pig) sensitising - S 171

- 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 <sub>50</sub> / 72 h (static)	0.048 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322
EC <sub>50</sub> / 48 h	0.1 mg/l (Daphnia) (OECD 202) S 52 0.0052 mg/l (Skeletonema costatum) (DIN EN ISO 10253) RAC
LC <sub>50</sub> / 96 h	0.22 mg/l (Onchorhyncus mykiss) (OECD 203) S 6
NOEC / 48 h	0.00064 mg/l (Skeletonema costatum) (DIN EN ISO 10253) RAC
NOEC / 21 d	0.004 mg/l (Daphnia) (OECD 211) S 52
NOEC / 28 d	0.098 mg/l (Onchorhyncus mykiss) (OECD 210) S 117
NOEC / 72 h	0.0012 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322

Evaluation:

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Toxicity on activated sludge organisms	
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]	
EC <sub>50</sub> / 3 h	7.92 mg/l (OECD 209) S 418
EC <sub>20</sub> / 3 h	0.97 mg/l (OECD 209) S 418

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	
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]	
OECD 301 D Closed-Bottle-Test	> 60 % S 200 (b)
OECD 308 Simulation	1.82 - 1.92 d S 617 (CIT)
Biodegradation Aqu Sed System	

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

Behaviour in sewage treatment plants:	
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]	
OECD 302 B Zahn-Wellens Test	100 % S 2387
OECD 303 A: Activated Sludge	> 80 % S 199 (b)
Units	

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

### 12.3. Bioaccumulative potential

BCF / LogKow:	
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]	
Bioconcentration factor BCF	3.16 (calculated) S 1177
OECD 117 Log Kow Partition Coefficient	≤0.71 (n-octanol/water) S 5

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):

Can affect the AOX-value of the effluent water. The active ingredient is not persistent, it is degraded by separation of the chlorine atom.



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### 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: Water, if necessary with cleaning agent.

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### SECTION 14 Transport information

14.1. UN number or ID number  
UN3265

14.2. UN proper shipping name  
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6])

14.3. Transport hazard class(es)  
8

14.4. Packing group  
III

14.5. Environmental hazards  
N.A

14.6. Special precautions for user  
N.A.

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

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### 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

Regulation (UE) n. 286/2011 (ATP 2 CLP)

Regulation (UE) n. 618/2012 (ATP 3 CLP)

Regulation (UE) n. 487/2013 (ATP 4 CLP)



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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).

CLP: Classification, labeling, packaging.



## Dependable Precision

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).