



SAFETY DATA SHEET

Excalia Fungicide

SECTION 1: Identification: Product identifier and chemical identity

Product identifier

Product name Excalia Fungicide

Internal identification S2399

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

Application Fungicide

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier www.sumitomo-chem.com.au
Sumitomo Chemical Australia Pty Ltd
Level 5, 51 Rawson Street,
EPPING, NSW 2121
(02) 8752 9000
(02) 8752 9099
Reception@sumitomo-chem.com.au

Emergency telephone number

Emergency telephone 1800 033 111 (Australia) 0800 734 607 (New Zealand)

National emergency telephone number Poisons Information Centre - Phone Australia 13 11 26; New Zealand 0800 764 766.

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Label elements

Hazard pictograms



Signal word WARNING

Hazard statements H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.</p> <p>P330 Rinse mouth.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains	Inpyrfluxam Technical
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SECTION 3: Composition and information on ingredients

Mixtures

Non-hazardous ingredients CAS number: Proprietary	60 - 70%
Inpyrfluxam Technical CAS number: 1352994-67-2	39%
Bentonite CAS number: 1302-78-9	<1%
1,2-benzisothiazol-3(2H)-one CAS number: 2634-33-5	<1%

Composition comments	Suspension Concentrate Formulation Containing 400 g/L INPYREFLUXAM
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SECTION 4: First aid measures

Description of first aid measures

General information	If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given. Show this Safety Data Sheet to a doctor.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Get medical attention immediately. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation.
Skin Contact	Rinse with water.
Eye contact	Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

General information	Treat symptomatically.
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Ingestion May cause stomach pain or vomiting.

Skin contact No specific symptoms known.

Eye contact No specific symptoms known.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically. Keep affected person under observation.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. This product is toxic.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Provide adequate ventilation. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

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Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. This product is toxic. Immediate first aid is imperative. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep out of reach of children. Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Do not store near foodstuffs or animal feed.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1

SECTION 8: Exposure controls and personal protection

Control parameters

Occupational exposure limits

Bentonite

National exposure standard
10 mg/m³
TWA

Exposure controls

Protective equipment

Personal protection When using together with other products, consult their safety directions. When opening the container, preparing and using the spray wear cotton overalls buttoned to neck and wrist (or equivalent clothing).

Eye/face protection No specific eye protection required during normal use.

Hand protection No specific hand protection recommended.

Respiratory protection Respiratory protection not required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance White liquid

Colour White.

pH 6.5 - 8.5

Relative density 1.07 - 1.10

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Partition coefficient	log Pow: ~ 3.65
Comments	Suspension Concentrate formulation

SECTION 10: Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity - oral

Summary 300 < LD50 < 2000 mg/kg bw

Acute toxicity - dermal

Summary LD50 > 2000 mg/kg bw

Acute toxicity - inhalation

Summary >2.22 mg/L (maximal attainable concentration)

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Skin sensitisation

Skin sensitisation Not sensitising.

SECTION 12: Ecological information

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 (static) hour: 0.18 mg/l, Cyprinodon variegatus (Sheepshead minnow)
LC₅₀, 96 (static) hour: 0.096 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates LC₅₀, 48 (static) hour: 3.2 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 (static) hour: 130 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms Effects <25%, 28 days: 0.7 mg/kg soil dw, Soil microorganisms

Acute toxicity - terrestrial Seedling emergence, 14 days: ER50 >200 g ai/ha, Various including Onions, Oats, Ryegrass, Corn, Sugar beet, Cabbage, Rape, Soybeans, Lettuce, Tomatoes
Vegetative vigour, ER50 14 days: >200 g ai/ha, Various including Onions, Oats, Ryegrass, Corn, Sugar beet, Cabbage, Rape, Soybeans, Lettuce, Tomatoes

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Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates

NOEC, 21 (static-renewal) TG days: 0.13 mg ai/l, Daphnia magna

Bioaccumulative potential

Partition coefficient

log Pow: ~ 3.65

Mobility in soil

Mobility

Low mobility in soil

Henry's law constant

~ 7.74 x 10⁻⁴ Pa m³/mol @ 20°C

Surface tension

~ 60.4 mN/m @ 21.3°C

SECTION 13: Disposal considerations

Waste treatment methods

General information

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

SECTION 14: Transport information

General

Not a dangerous good for transport by Road and Rail according to ADG 7 code

Air transport notes

Refer to Special Provision A197 this substance may be shipped as 'not restricted' provided that the net quantity in any receptacle does not exceed 5Kg or 5L

SECTION 15: Regulatory information

APVMA Approval Number

90901

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

Schedule (SUSMP)

Schedule 6. Poison.

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SECTION 16: Any other relevant information

Abbreviations and acronyms used in the safety data sheet	LC ₅₀ : Lethal concentration to 50 % of a test population.
	LD ₅₀ : Lethal dose to 50% of a test population (median lethal dose).
	EC ₅₀ : 50% of maximal effective concentration.
	NOEC: No observed effect concentration.
Revision date	29/03/2023
Revision	2
Supersedes date	29/03/2023
SDS No.	4973
Hazard statements in full	H302 Harmful if swallowed.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.