



SAFETY DATA SHEET

Aureo Gold®

Date of Issue: 6th August 2020

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s):	Aureobasidium pullulans
Recommended use:	Bactericide
Supplier:	UPL New Zealand Limited PO Box 51584, Pakuranga Auckland Phone 0800 100 325
Emergency telephone number:	0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.5A, 6.5B, 9.1D



Required identification Details:

Signal Word: DANGER

May cause skin and respiratory sensitisation.
Designed for biocidal action.

Wash thoroughly after handling.

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

If on skin: Wash with plenty of water

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

Dispose of contents/container in accordance with the HS Disposal Notice.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

DO NOT apply directly into or onto water.

DO NOT re-enter the spray area until 4 hours after the end of the application unless wearing appropriate personal protective equipment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Aureobasidium pullulans	NA	>80

4. FIRST-AID MEASURES

Description of necessary first aid measures: In case of intoxication call a physician for first aid measures

Effects and symptoms

Inhalation: Take victim into fresh air and consult a physician.

Ingestion: Consult a physician immediately.

Skin contact: Wash thoroughly with water and soap.

Eye contact: Rinse eyes with clean water immediately and consult a physician if irritation persists.

Notes to a physician:

5. FIRE-FIGHTING MEASURES

Extinguishing media: Product is non-flammable under normal conditions of storage, manipulation and use.
In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder).
None known.

Hazardous thermal (de)composition products:

HAZCHEM Code:

2Z

Protection of fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing, gloves and safety glasses recommended.

Environmental precautions: Normal precautions for chemical products should be respected. Do not contaminate other cultures, food, drinks or waterways.

Methods for cleaning up: Collect product with absorbent material and dispose suitably. Rinse the area with water.

7. HANDLING AND STORAGE

Handling:

- Keep out of reach of children
- Read label before use.
- When mixing or applying, avoid contact with skin and eyes.
- Do not breathe fumes, vapours or spray.
- Wear protective clothing, gloves and goggles
- Do not eat or drink while using. Wash hands and face before meals and after work.
- Wash protective clothing after work.
- Avoid release to the environment.

Storage:

- Keep away from heat and protect from sunlight.
- Store in original unopened packaging in a refrigerator (1-5°C) for up to 24 months. Once the package has left refrigeration, it may be stored for up to 12 months in a cool dry place below 20°C.

Packaging materials:

Plastic screwcap containers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards:

Not established.

Engineering measures

Exposure control measures:

General security and hygiene measures in the work place. As a preventative measure it is recommended to use basic Personal Protective Equipment.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Not required under normal conditions.

Skin and body:

Wear suitable protective clothing.

Hands:

Protective gloves.

Eyes:

Wear face shield or goggles.

General hygiene:

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Granule

Colour:

Pink – brown

Odour:

Neutral

pH:

4 – 6.4 (1% dilution)

Vapour Pressure:

NA

Boiling Point:

NA

Freezing/melting point:

NA

Solubility:

Soluble in water

Specific gravity or density:

NA

Information for flammable material including:

Not flammable.

Flashpoint:

NA

Octanol/water partition coefficient:

NA

10. STABILITY AND REACTIVITY

Stability:	This product is stable under normal storage conditions.
Conditions to avoid:	This product should be kept in a cool place, preferably below 20°C. Avoid high humidity.
Materials to avoid:	None.
Hazardous Decomposition Products:	None.
Hazardous polymerization:	This product will not undergo polymerisation reactions.

11. TOXICOLOGICAL INFORMATION

Values provided for a similar substance

Acute toxicity – Oral : LD₅₀	>2,000 mg/kg (rat)
Acute toxicity - Dermal : LD₅₀	>2,000 mg/kg (rat)
Acute toxicity – Inhalation: LC₅₀	>5.17 mg/L (rat)
Skin irritation:	This product is not a skin irritant (rabbit)
Eye irritation:	This product is not an eye irritant (rabbit)
Sensitization:	This product is considered to be a respiratory and skin sensitizer
Chronic toxicity	No evidence of chronic toxicity.
Other information:	

12. ECOLOGICAL INFORMATION

No data available for this product. Values are for a similar product.

Aquatic	EC ₅₀ : >200 mg/L (48hr, Daphnia magna) NOEC: 200 mg/L (48hr, Daphnia magna)
Bioaccumulation	No data
Degradability	No data
Soil	No evidence of soil toxicity
Terrestrial vertebrate	No evidence of toxicity towards terrestrial vertebrates
Terrestrial invertebrate	LD ₅₀ : ~ 200 ug/bee

13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Avoid contamination of any waterway with chemical or empty container.
Product:	Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.
Empty Container:	Triple rinse container and recycle through the Agrecovery Programme. If this is not possible bury in landfill.



14. TRANSPORT INFORMATION - International transport regulations

UN number:	NA
Class or Division:	NA
Packing Group:	NA
Marine Pollutant:	No

Proper shipping name: Not a Dangerous Good

**INTERNATIONAL AIR
TRANSPORT ASSOCIATION
(IATA):**

15. REGULATORY INFORMATION

ACVM Registered Number: P009589
HSNO Approval Code: HSR101029

16. OTHER INFORMATION

Additional information: **Original Issue Date: 29 November 2018**
Revision Date: 6 August 2020
Replaces: ES492

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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