SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product:	**MAKS FAN COIL TABLET**
Product Use:	A slow dissolving biocide tablet that scientifically developed to control slime forming bacterias and other undesired biological growths (Fungea, algea, mildew, virus, etc…) in air conditioning systems.
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	**Bimaks NZ Limited**
Address:	4 Brown Road Onetangi Waiheke Island Auckland
Telephone:	021 024 03888
Emergency No:	**0800 764 766 (National Poison Centre)**
Date of SDS Preparation:	6 March 2025

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Water Treatment Chemicals (Acutely Toxic, Corrosive) - HSR002686

Pictograms

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Acute dermal toxicity Cat. 3	H311	Toxic in contact with skin.
Acute oral toxicity Cat. 4	H302	Harmful if swallowed.
Skin corrosion Cat. 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage Cat. 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment acute Cat. 1	H400	Very toxic to aquatic life.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

P260	Do not breathe dust.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

Response Code	**Response Statement**
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P361+P364	Take off immediately contaminated clothing and wash before reuse.

Storage Code	**Storage Statement**
P405	Store locked up.

Disposal Code	**Disposal Statement**
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Benzalkonium chloride	30 - 50	8001-54-5
Inert Material	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If on Skin — Take off immediately contaminated clothing and wash before reuse. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.

If Swallowed — Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

If Inhaled — Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Harmful if swallowed.
Inhalation: Not applicable.
Skin: Toxic if in contact with skin. Causes skin burns.
Eye: Causes serious eye damage.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from products	Do not contact with anionic materials.
Suitable Extinguishing media	Not expected to burn. Water spray, foam, dry powder, carbon dioxide. Water mist may be used to cool closed containers.
Precautions for firefighters and special protective clothing	In case of fire, wear a full face positive-pressure self-contained breathing apparatus and protective suit.
HAZCHEM CODE	**2X**

Section 6. Accidental Release Measures

For emergency responders:
Do not breathe vapor. Prevent contact with skin, eyes and clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Ensure adequate ventilation. Take off immediately all contaminated clothing. Use personal protective equipment recommended in Section 8.

Environmental precautions:
Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities.

Methods and material for containment and cleaning up:
Spill may be slippery. Small spills: Soak up with inert absorbent material. Clean up promptly by scoop or vacuum. Large spills: Dam up. Reclaim into recovery or salvage drums. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:
- Read carefully and follow all instructions.
- Do not breathe dust.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing as detailed in SDS Section 8.
- Do not breathe vapor.
- Prevent contact with skin, eyes and clothing.
- Use with adequate ventilation.
- Avoid generating aerosols and mists.

Precautions for Storage:
- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Keep out of reach of children.
- Keep container tightly closed.
- Store separately from acids.
- For specific dosages and customized applications please contact your BIMAKS representative.
- Protect from freezing and exposure to high temperatures.
- The product can be stored up to 24 months from date of shipping if kept in its original unopened container under normal warehouse conditions.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	TWA mg/m^3	STEL ppm	STEL mg/m^3

None of the components have assigned exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15TH EDITION.

Engineering Controls

Use general ventilation with local exhaust ventilation.

Personal Protection Equipment

Eyes	Chemical splash goggles.
Hands	Viton gloves, Nitrile gloves. Most glove materials are of low chemical resistance. Replace gloves regularly.
Skin	Apron and boots. Complete suit protecting against chemicals.
Respiratory	An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. Wear a cartridge respirator, filter-type P3.
General	Keep an eye wash fountain available. Keep a safety shower available. Wash hands during breaks and at end of the shift. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

Section 9 Physical and Chemical Properties

Appearance	Tablet (18-23g)
Colour	White
Odour	Characteristic
Odour Threshold	Not available
pH	7.5 +/- 1.00
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non-Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available

Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No data available.
Conditions to Avoid	No data available.
Incompatible Materials	Do not contact with anionic materials.
Hazardous Decomposition Products	No data available.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed. LD50 = 330mg/kg (rat)
Dermal	Toxic if in contact with skin. LD50 = 1300mg/kg (rat)
Inhalation	This product is not classified as acutely toxic.
Eye	Causes serious eye damage.
Skin	Causes skin burns.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.

Section 12. Ecotoxicological Information

Very toxic to aquatic life. Biocide.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Results Of PBT And VPVB Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecotoxicological Effects:
Didecyldimethylammonium salt
Acute EC50 0,03 mg/l Daphnia manga 48 hours
Acute EC50 0,06 mg/l Selenastrum 96 hours Capricornutum
Acute LC50 0,5 mg/l Brachydanio rerio 96 hours

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:
Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to

significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Toxic, Corrosive and that the label also has the Skull & Corrosive Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Road, Rail, Sea and Air Transport

UN No	1759
Class - Primary	8
Packing Group	II
Proper Shipping Name	CORROSIVE SOLID, N.O.S.
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 1kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **Water Treatment Chemicals (Acutely Toxic, Corrosive) - HSR002686**

HSW (HS) Regulations 2017 and EPA Notices	**Trigger Quantity**
Certified Handler	Not required
Location Certificate	250kg
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100kg
Emergency Response Plan	100kg
Secondary Containment	100kg
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat	Category
EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.

OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

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