

SAFETY DATA SHEET

Kasumin®

Date of Issue: 09th February 2021

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Kasugamycin
Recommended use: Fungicide/ 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: 6.1E, 6.8B, 6.9B



Required identification Details:

Signal Word: WARNING

May be harmful in contact with skin, or inhaled.
Suspected of damaging fertility or the unborn child.
May cause kidney damage from repeated oral exposure at high doses.
KASUMIN contains the bactericide, kasugamycin, and may be harmful to beneficial organisms, such as predatory mites, earthworms and bees and other pollinators.

If medical advice is needed, have product container or label at hand. Immediately call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
Call the POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
Do NOT induce vomiting.
Wash contaminated clothing before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Kasugamycin hydrochloride hydrate	19408-46-9	2.3

4. FIRST-AID MEASURES

Description of necessary first aid measures: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Effects and symptoms

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

Eye contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Notes to a physician: No specific antidote known. Treat according to symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, dry sand, carbon dioxide, dry chemical powder, foam, etc.

Hazardous thermal
(de)composition products: None known.

HAZCHEM Code: 1Y

Protection of fire-fighters: Wear SCBA and chemical-protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

Environmental precautions: Contain spill, do not allow material to enter sewers or bodies of water. Keep unprotected persons and animals out of the area.

Methods for cleaning up: Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely, according to Local Council regulations.

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 container, tightly closed in a locked, dry, well ventilated place away from food or feedstuffs.

Packaging materials:

HDPE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines**Exposure Standards:**

Not established.

Engineering measures**Exposure control measures:**

General room ventilation is expected to be satisfactory for use at room temperature.

Personal Protective Equipment**Detail specifications for equipment:****Respiratory system:**

Usually, no respirator is necessary when using this product.

Skin and body:

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat.

Hands:

Wear PVC/nitrile 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:

Liquid

Colour:

Dark blue-green

Odour:

No odour

pH:

3.0 (x5)

Vapour Pressure:

Not available

Boiling Point:

Not available

Freezing/melting point:

Not available

Solubility:

Soluble

Specific gravity or density:

1.02 – 1.04 at 20°C

Information for flammable material including:

Not flammable.

Flashpoint:

Not applicable

Octanol/water partition coefficient:

Not available

10. STABILITY AND REACTIVITY

Stability:	This product is unlikely to react or decompose under normal storage conditions.
Conditions to avoid:	This product should be kept in a cool place, preferably below 30°C. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid freezing.
Materials to avoid:	Strong alkaline products.
Hazardous Decomposition Products:	None known. In case of fire, toxic decomposition products may be generated.
Hazardous polymerization:	This product will not undergo polymerisation reactions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral: LD₅₀	>5,000 mg/kg (rat)
Acute toxicity - Dermal: LD₅₀	>5,000 mg/kg (rat)
Acute toxicity – Inhalation: LC₅₀	
Skin irritation:	This product is not a skin irritant
Eye irritation:	This product is not an eye irritant
Sensitization:	This product is not a sensitizer
Chronic toxicity	Mutagenicity: Structured chromosome aberration: Negative (active ingredient) Ames Test: Negative (active ingredient) Unscheduled DNA synthesis: Negative (active ingredient) V/79HGPRT Forward mutation assay: Negative (active ingredient) Micronucleus test: Negative (active ingredient) Teratology/Developmental Toxicity: Not teratogenic in rabbits or rats.
Other information:	Prolonged exposure to high doses may cause kidney damage

12. ECOLOGICAL INFORMATION

Aquatic	Fish: carp LC50 (96h) 120 mg/L Crustacean: <i>daphnia magna</i> EC50 (48h) 152 mg/L Green algae: ErC50 (72h) 458 mg/L
Bioaccumulation	
Degradability	
Soil	
Terrestrial vertebrate	
Terrestrial invertebrate	

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: P008603
HSNO Approval Code: HSR100889

16. OTHER INFORMATION

Additional information: **Original Issue Date: 16th October 2013**
Revision Date: 09 February 2021
Replaces: ES889

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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