

Nano Silver

SAFETY DATA SHEET



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1. Identification

Product name: Nano Silver

Product code: N/A

Use: Hand & Surface Sanitiser

Company name Gold Rock Ltd
address and contact details: 9 Pukeiti Road
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Auckland - New Zealand
PH – 09 534 7235
www.goldrock.co.nz

Emergency phone number: New Zealand 0800 764 766 International +64 3 479 7227

2. Hazard Identification

Not classified as hazardous according to criteria in the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO Classification(s): Non hazardous
Pictogram(s): Not required

Signal word: Not required
Hazard Statement(s): -
Prevention Statement(s): -
Response Statement(s): -
Storage Statement(s): -
Disposal Statement: -

3. Composition/Information on Ingredients

Ingredient	CAS No	Proportion (%w/w)
Water	7732-18-5	99.8
Silver ions	7440-22-4	0.2

All Ingredients were determined to be non-hazardous in this product

4. First Aid Measures

For advice contact the National Poisons Centre, phone 0800 764 766 [0800 POISON] or a doctor. Have product label or this Safety Data Sheet at hand.

Ingestion: Clean mouth with water and drink plenty of water. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do NOT induce vomiting.

Skin: Harmless to the skin, In the case of skin irritation or allergic reactions wash with soap and water. Get medical attention if irritation develops and persists.

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- Eye contact:** If worn, remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation:** Remove to fresh air. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- First Aid Facilities:** Eye wash and washroom facilities.
- Advice to Doctor:** Treat symptomatically.

5. Fire-fighting measures

- Flammability:** Product is non-combustible. No fire hazard.
- Suitable extinguishing media:** Water, foam, dry chemical or carbon dioxide (CO₂) as appropriate for surrounding materials.
- Hazards from combustion:** No hazards.
- Decomposition temperature:** Not applicable.
- Specific hazards:** Prevent extinguishing media from entering waterways, drains or sewers.
- HAZCHEM Code:** Not applicable.
- Precautions for fire-fighters:** Product is non-combustible.

6. Accidental release measures

Emergency procedures:

Wear personal protection equipment to minimise exposure. Contain spill. If unable to recover liquid, absorb with an inert absorbent material (sand, sawdust, soil). Collect and place in labelled container that can be sealed before disposal. Do not pour into drains. If contamination of waterways, drains or sewers occurs, immediately inform local council and emergency services.

7. Handling and storage

Precautions for Safe Handling:

Read label before use. Follow good occupational hygiene practices. When using, avoid contact with chloride ions (Cl⁻) or alkaline substances, otherwise the solution will be invalid.

Conditions for Safe Storage:

Keep out of reach of children. Keep containers closed when not in use. Store the product in an upright position in the original container. Do not store below 1 °C. Do not exceed 50 °C. Avoid heating and direct sunlight. Store in dark room or light proof containers and keep them dry.

8. Exposure controls/personal protection

Health Exposure Standards: No Workplace Exposure Standards (WES) have been set by WorkSafe NZ for components in this substance.

Biological limit values: None established.

Personal Protective Equipment:

Respiratory Protection: Avoid inhalation or generating mists. Respiratory protection may be not necessary under certain use conditions, where the operator is exposed to large mists. In such conditions, an approved respirator with a replaceable mist filter according to local standards (AS/NZS 1715), must be worn.

Eye Protection: No special eye protection is required unless there is a risk of eye contact. If eye contact poses a potential risk, wear safety glasses.

Skin/ Body Protection: In an industrial environment including large or concentrated spills, avoid inhalation of vapours and mists, and prolonged contact with skin and eyes. Use sensible work practices reduce operator exposure to the product.

Other Information: Selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:

AS/NZS 1336: Eye and face protection – Guidelines.

AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.

AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.

AS/NZS 2161: Occupational protective gloves.

AS/NZS 2210: Occupational protective footwear.

AS/NZS 4501: Occupational protective clothing set.

9. Physical and chemical properties

Appearance:	Liquid (without colour)
Odour:	No odour
Odour threshold:	Not available
pH:	Not determined
Melting point/Freezing point (°C):	0°C (approx)
Boiling point/range (°C):	100 °C (approx)
Decomposition temperature (°C):	No data available
Flash point (°C):	Non flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits:	Not applicable
Vapour pressure:	No data available
Vapour density (Air=1):	No data available
Relative density:	1.0mg/cm ³
Solubility in water:	Aqueoussolution
Partition coefficient (log Pow):	Not available
Decomposition temperature:	Not determined

10. Stability and reactivity

Chemical Stability: Stable under normal conditions of handling and storage.

Conditions to avoid: Extremes of temperature and direct sunlight, and incompatible materials.

Incompatible materials: Strong oxidizers (chlorine bleach, peroxides), strong alkalis and acids.

Hazardous decomposition products: Thermal decomposition may produce toxic or irritating fumes and gases.

Hazardous polymerization: Not known to occur.

11. Toxicological information

Based on information on components in product and mixture classification rules.

Aspiration hazard: Product does not contain any component identified with aspiration hazard.

Respiratory irritation: Product dose not contains components identified respiratory irritation, but the classification threshold is not triggered.

Skin corrosion/irritation: Product dose not contains components identified with corrosive / irritant properties, but the classification threshold is not triggered.

Serious eye damage/irritation: Product dose not contains components identified with corrosive or irritant properties, but the classification threshold is not triggered.

Respiratory or skin sensitization: Product dose not contains components identified with respiratory and skin sensitization but the classification is not triggered.

Germ cell mutagenicity: Product does not contain components identified as presumed or suspected mutagens.

Carcinogenicity: Product does not contain components identified as presumed or suspected carcinogens.

Reproductive toxicity: Product does not contain any components identified as presumed or suspected of impairing fertility or the unborn child.

Specific organ toxicity: Product does not contain any components identified as presumed or suspected of damaging organs.

Narcotic effects: Product does not contain any component identified with having narcotic effects.

Toxicological Information: Not available for product.

12. Ecological information

Eco-toxicity: No data is available on the product itself. Calculated data indicates that the product may be toxic to some aquatic organisms with long term effects.

Eco-toxicity (aquatic and terrestrial):

Effective Route:	LC50 (mg/L):	Information:
Aquatic	No data available	No data available
Terrestrial	No data available.	No data available.

Persistence and Degradability: No data available.

Bioaccumulation: No data available.

Mobility in Soil: No data available.

13. Disposal considerations

Disposal Methods: Empty containers retain product residues. Allow empty containers to dry before disposal. Do not allow product to enter drains or watercourses. Dispose of empty containers in accordance with local or National regulations. Do not use container for storing any other product.

14. Transport information

New Zealand This product is not classified as a Dangerous Good for transportation. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

UN Number: Not required.

Proper Shipping Name: Not regulated

DG Class: -

Subsidiary Risk: -

Packing Group: -

HAZCHEM: -

15. Regulatory information

New Zealand

This product is not classified as a hazardous substance according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

HSNO Approval number: Not required, the product is not classified as a Hazardous Substance

HSNO Controls: Refer to www.epa.govt.nz for EPA Notices and Controls relating to this product and use. Also refer to WorkSafe NZ, www.worksafe.govt.nz for information.

16. Other information

Date of Issue: 19 November 2020

Reasons for issue: Original issue

Replaces: Issue 0.0

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Abbreviations:

EC50	50% effect concentration
EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
HSNO	Hazardous Substance and New Organisms
LD50	50% lethal dose
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

References:

EPA www.epa.govt.nz
Supplier Safety Data Sheets

Other:

The information contained herein is given in good faith but no warranty, expressed or implied is made. Consult supplier if additional information or explanation is required.

Disclaimer:

This SDS covers the use of this product for its intended purpose. Gold Rock Ltd accepts no liability for any damages or injuries related to the use or misuse of this product outside of its intended purpose.

End of safety data sheet

