

Prepared in accordance with the model Work Health and Safety Regulations and GHS (Revision 7).
Date of issue: 12 June 2026. Version 2.0.

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE SUPPLIER

Product identifier	Nanocyn™ Advanced
Other means of identification	Hospital-grade disinfectant solution
Recommended use	Hospital-grade surface cleaner, sanitiser and disinfectant
Restrictions on use	Use only as directed on the product label
Supplier	MicroSafe Care Australia Pty Ltd (Exclusive Importer & Distributor) PO Box 57, Stepney SA 5069, Australia
Telephone	+61 (0) 8 7082 3028
Email	info@microsafe.com.au
Emergency telephone	Australian Poisons Information Centre 13 11 26 (24 hours)

2. HAZARDS IDENTIFICATION

GHS classification	Not classified as hazardous according to the criteria of the model Work Health and Safety Regulations and GHS (Revision 7)
Signal word	None
Hazard statement(s)	None
Pictogram(s)	None
Precautionary statement(s)	None
Other hazards	None known. Not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Supplementary (non-Australian) reference ratings:

U.S. HMIS – Health 0, Flammability 0, Reactivity 0, Personal Protection 0. U.S. NFPA 704 – Health 0, Flammability 0, Reactivity 0, Special hazard None. (Rating scale: 0 = Least, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme.) These US systems are provided for reference only and do not form part of the Australian GHS classification.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Proportion
Water / neutral oxidised saline	7732-18-5	Balance to 100% w/w
Available chlorine	Not applicable	0.026% w/w (260 ppm)

No ingredients are classified as hazardous above the relevant cut-off concentrations under GHS (Revision 7).

4. FIRST AID MEASURES

Eye contact	Although this product is not known to cause eye irritation, if eyes become irritated, hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops or persists.
Skin contact	Although this product is not known to cause skin irritation, if skin becomes irritated, wash skin with plenty of soap and water while removing contaminated clothing and shoes. Seek medical attention if irritation worsens or persists.
Inhalation	Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air. Seek medical attention if cough or other symptoms develop.
Ingestion	Although this product is not known to cause ingestion problems, if ingested, drink plenty of water. Seek medical attention if gastric distress develops.
Most important symptoms and effects (acute and delayed)	No adverse health effects expected under normal use at room temperature.
Indication of medical attention / special treatment	Treat symptomatically. Always have water available for first aid.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Product will not burn. Use extinguishing media appropriate to the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	None. Material will not burn. Flash point: None. Auto-ignition temperature: None. Flammable limits (LEL/UEL): None.
Special protective equipment and precautions for fire-fighters	No special requirements beyond standard practice for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	None required. Product is non-hazardous and non-toxic.
Environmental precautions	None required. Product is 100% biodegradable and safe for aquatic life.
Methods and materials for containment and cleaning up	Contain and absorb with inert material or flush the area with water. Dispose of to drain or sewer in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling	Non-toxic and non-irritating to skin, eyes and throat. No special handling requirements.
Conditions for safe storage	Store between 5°C and 25°C, away from direct sunlight and heat. Do not freeze. Once opened, use within 30 days.
Incompatible materials	Do not mix with products containing ammonia.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	No workplace exposure standards have been established by Safe Work Australia for the ingredients of this product.
Engineering controls	Not required under normal conditions of use.
Personal protective equipment (PPE)	Not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	Minimal (faint chlorine odour)
Odour threshold	Not available
pH	Neutral
Melting / freezing point	0°C
Initial boiling point and range	> 100°C
Flash point	Not applicable (will not burn)
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable (non-flammable liquid)
Upper / lower flammability limits	Not applicable (None)
Vapour pressure	Not available
Vapour density	Not available
Relative density / specific gravity	1.0 (water = 1)
Bulk density	1
Solubility (water)	Complete
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not applicable
Viscosity	Not available
Explosive properties	None

10. STABILITY AND REACTIVITY

Reactivity	No dangerous reactions known under normal conditions of use.
Chemical stability	Stable under recommended storage and handling conditions.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to avoid	Heat, direct sunlight and freezing.
Incompatible materials	Products containing ammonia.
Hazardous decomposition products	None. Decomposition will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Ocular toxicity	Non-toxic
Dermal toxicity	Non-toxic
Oral toxicity	Non-toxic
Dermal sensitisation	Does not cause dermal sensitisation
Carcinogenicity	Non-carcinogenic. No known cancer hazards.
General	No adverse health effects expected under normal conditions of use at room temperature.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecotoxicity. Safe for aquatic life.
Persistence and degradability	100% biodegradable.
General	Presents no hazard to the environment.

13. DISPOSAL CONSIDERATIONS

Waste disposal	Flush to drain or sewer in accordance with local, state and federal regulations.
Precautions	None.
Containers	Please consider recycling the containers.

14. TRANSPORT INFORMATION

ADG classification	Not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
UN number	None allocated
Proper shipping name	Not applicable
Technical name	Oxidised water
Hazard class	None
Packing group	Not applicable
Marine pollutant	Not a marine pollutant
Air (IATA) / Sea (IMDG)	Not classified as dangerous for transport

15. REGULATORY INFORMATION

Therapeutic goods registration	Nanocyn [™] Advanced is entered in the Australian Register of Therapeutic Goods (ARTG), AUST L 520725, administered by the Therapeutic Goods Administration (TGA).
Work health and safety	Classified in accordance with the model Work Health and Safety Regulations and GHS (Revision 7).
Poisons standard	Not a Scheduled poison under the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP / Poisons Standard).

16. OTHER INFORMATION

Date of preparation / issue	12 June 2026
Version	2
Next review due	By 12 June 2031 (five-year review cycle)
Abbreviations	ADG = Australian Dangerous Goods; ARTG = Australian Register of Therapeutic Goods; GHS = Globally Harmonized System; HOCl = hypochlorous acid; PPE = personal protective equipment; SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons; TGA = Therapeutic Goods Administration; WHS = Work Health and Safety.

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