



UNICORN COATING SDN. BHD.

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE MANUFACTURER

Product Name	NANO AQUA-TECH DISINFECTANT
Uses	Disinfection, deodorization, anti-bacterial, anti-mildew
Registered Company Name	Unicorn Coating Sdn. Bhd.
Address	No. 9 & 11, Jalan Makmur, Taman Perindustrian Maju Cemerlang, 81800 Ulu Tiram, Johor, Malaysia.
Telephone	+607-288 2233
Fax	+607-861 1726
Emergency Telephone Number	As above

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

GHS Classification : Physical Hazard – Not classified as a physical hazard
Health Hazard – Eye Irritation, Category 2

Label elements:

GHS label elements



SIGNAL WORD

WARNING

Hazard statement(s)

H319	Causes serious eye irritation
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Precautionary statement(s)

Prevention :

P280	Wear protective gloves/protective clothing/eye protection/face protection
P233	Keep container tightly close



UNICORN COATING SDN. BHD.

SAFETY DATA SHEET

Response :

P305+P351+P338	If IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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Storage :

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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Disposal :

P501	Dispose of contents/container to appropriate waste site or in accordance with local or national regulations.
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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Ingredients	Weight, %	CAS Number
Water	~ 99	7732-18-5
Silver nanoparticle	< 0.05	7440-22-4

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: - Wash out immediately with fresh running water. - Remove contact lenses, if present and easy to do. Continue rinsing. - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. - Seek medical attention without delay.
Skin Contact	If skin contact occurs: - Immediately remove all contaminated clothing, including footwear. - Flush skin and hair with running water (and soap if available). - Seek medical attention if skin irritation or rash occurs.
Swallowing	- If swallowed do NOT induce vomiting unless directed by medical personnel. - Do not give anything by mouth to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. - If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.



UNICORN COATING SDN. BHD.

SAFETY DATA SHEET

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

- The product is an aqueous solution that will not cause flame.

Specific hazards arising from the substance or mixture

- No data available.

Advice for firefighters

- This product is not harmful.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Evacuate unprotected personnel to safe area. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations.

When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable and flame retardant antistatic protective clothing, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn.

Environmental precautions

Prevent the spillage enter drains or water course. Local authorities should be advised if significant spillages cannot be contained.

SECTION 7 HANDLING AND STORAGE

Safe handling

- Avoid inhalation of mist/vapours.
- Avoid contact with eyes.

Safe Storage

- Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Storage class (TRGS 510): Non-Combustible Liquids.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Components with workplace control parameters.



UNICORN COATING SDN. BHD.

SAFETY DATA SHEET

Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protection

Eye and face protection	Face shield and safety glasses
Body protection	Impervious & flame retardant antistatic protective clothing
Hands protection	Wear chemical protective gloves, e.g. nitrile rubber glove
Respiratory protection	Full-face supplied air respirator

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	:	Slight Yellowish Liquid (Odorless)
Physical state	:	Liquid
Boiling point / range	:	> 107 °C
Flash point	:	No data available
Flammability	:	No data available
Density	:	~0.99 g/cm ³
Solubility in water	:	No data available
Auto-ignition temp.	:	No data available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Illumination.
Incompatible materials	Strong bases, ammonia, alcohols, strong reducing agents.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions – Nitrogen Oxides (NO _x), Silver/silver oxides.



UNICORN COATING SDN. BHD.

SAFETY DATA SHEET

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Skin corrosion or irritation	No data available
Serious eye damage or irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP classification.
Reproductive toxicity	No data available
Specific target organ toxicity, STOT (single exposure)	No data available
Specific target organ toxicity, STOT (repeated exposure)	No data available
Aspiration hazard	No data available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

Bio-accumulative potential

No data available

Mobility in soil

No data available

Result of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



UNICORN COATING SDN. BHD.

SAFETY DATA SHEET

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal	- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. - Contaminated packaging is to dispose off as unused product.
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SECTION 14 TRANSPORT INFORMATION

UN Proper shipping name :

ADR/RID : Not dangerous goods.

Environmental hazards :

ADR/RID : No.

Special precautions for user :

No data available.

SECTION 15 REGULATORY INFORMATION

Applicable national regulations:

- Occupational Safety and Health (Classification, labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (CLASS)
- OSHA 1994 and relevant regulations.
- Environment Quality Act 1967 and regulations.

SECTION 16 OTHER INFORMATION

Issue Date	09/06/2020
Revision	00
Literature reference and resource	Suppliers' SDS

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our current knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.